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(FILE 'HOME' ENTERED AT 10:09:34 ON 30 MAY 2007)

FILE 'REGISTRY' ENTERED AT 10:09:47 ON 30 MAY 2007

L1 STRUCTURE UPLOADED

L2 11 S L1

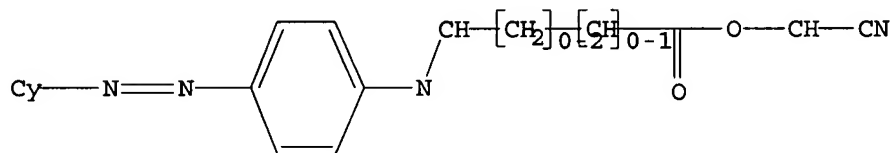
L3 238 S L1 FULL

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L4 10 S L3

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L1 STR



Structure attributes must be viewed using STN Express query preparation.

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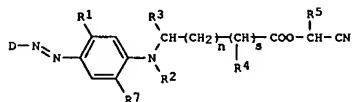
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L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS ON STN  
 ACCESSION NUMBER: 2005:395399 CAPLUS  
 DOCUMENT NUMBER: 142:412927  
 TITLE: Disperse azo dyestuffs, a process for their preparation and their use  
 INVENTOR(S): Hall, Nigel  
 PATENT ASSIGNEE(S): Dystar Textilfarben G.m.b.H. & Co. Deutschland K.-G., Germany  
 SOURCE: PCT Int. Appl., 40 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

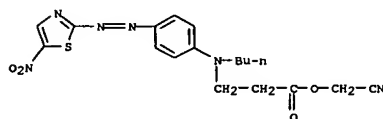
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WO 2005040283	A2	20050506	WO 2004-EPI1590	20041015
WO 2005040283	A3	20050630		
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RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2543056	A1	20050506	CA 2004-2543056	20041015
EP 1678259	A2	20060712	EP 2004-790444	20041015
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK			
CN 1871306	A	20061129	CN 2004-80030995	20041015
BR 2004015469	A	20061219	BR 2004-15469	20041015
JP 2007509214	T	20070412	JP 2006-536010	20041015
IN 2006KN00339	A	20070316	IN 2006-KN339	20060216
US 2007050928	A1	20070308	US 2006-575599	20060413
PRIORITY APPL. INFO.:			GB 2003-24584	A 20031021

OTHER SOURCE(S): CASREACT 142:412927; MARPAT 142:412927  
 GRAPHIC IMAGE:



I

L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)  
 RN 850546-64-4 CAPLUS  
 CN β-Alanine, N-butyl-N-[4-[(5-nitro-2-thiazolyl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

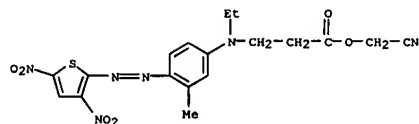


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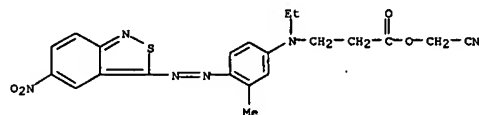
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)

ABSTRACT:  
 The present invention claims dyestuffs of formula (I), wherein D is substituted  
 Ph, substituted benzothiazolyl, 5-nitro-2,1-benzisothiazolyl, substituted thiophenyl, substituted 5-nitrothiazolyl; R1 is H, (Cl-C4)-alkyl or -NCOR6, where R6 is (Cl-C4)-alkyl or phenyl; R2 is unsubstituted (Cl-C6)-alkyl, substituted (Cl-C6)-alkyl, benzyl or phenylethyl; R3 is H or Me; R4 is H or Me; R5 is H, Me or Ph; R7 is H, Cl, methoxy or ethoxy; n is 0, 1 or 2; s is 0 or 1.  
 Thus, 4-  
 (4-nitrophenylazo)-3-methyl-N-ethyl-N-(2-cyanomethoxycarbonyl)aniline was synthesized and showed λmax 486 nm and red shade with excellent wet and light fastness properties when applied to polyester fabrics.

IT 850546-37-1P, 4-[(3,5-Dinitrothiophenylazo)-3-methyl-N-ethyl-N-(2-cyanomethoxycarbonyl)aniline] 850546-37-5P  
 850546-64-4P, 4-[(5-Nitrothiazolylazo)-N-butyl-N-(2-cyanomethoxycarbonyl)aniline]  
 RI: IMP (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)  
 (blue dye; preparation of disperse azo dyestuffs for dyeing polyester fabrics)  
 RN 850546-37-1 CAPLUS  
 CN β-Alanine, N-[4-[(3,5-dinitro-2-thienyl)azo]-3-methylphenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



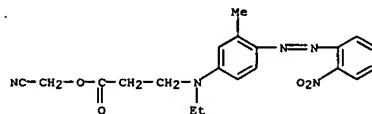
RN 850546-57-5 CAPLUS  
 CN β-Alanine, N-ethyl-N-[3-methyl-4-[(5-nitro-2,1-benzisothiazol-3-yl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)



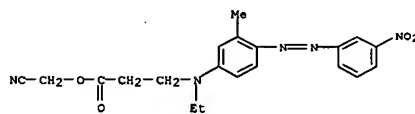
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)

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RI: IMP (Industrial manufacture); PREP (Preparation)  
 (prepn. of disperse azo dyestuffs for dyeing polyester fabrics)  
 RN 850545-32-3 CAPLUS  
 CN β-Alanine, N-ethyl-N-[3-methyl-4-[(2-nitrophenyl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

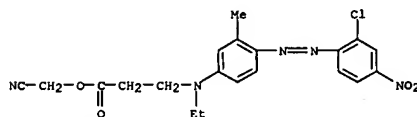


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 CN β-Alanine, N-ethyl-N-[3-methyl-4-[(3-nitrophenyl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

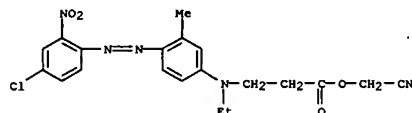


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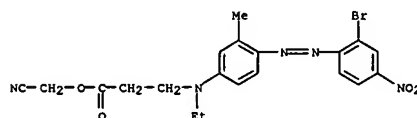
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
 , cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850545-35-6 CAPLUS  
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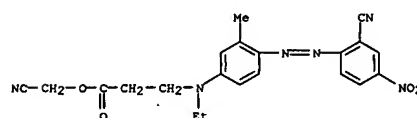
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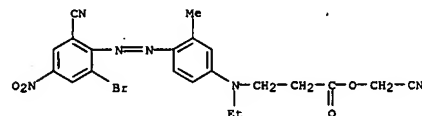
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 CN  $\beta$ -Alanine, N-[4-[(2,6-dichloro-4-nitrophenyl)azo]-3-methylphenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

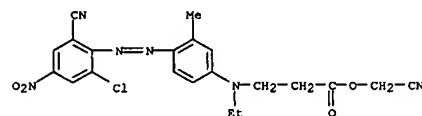
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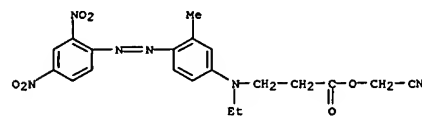
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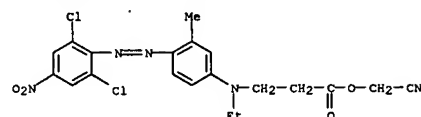
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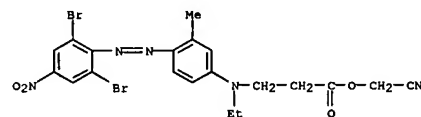
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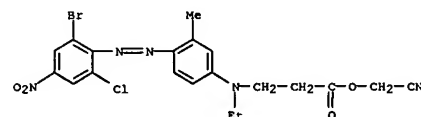
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



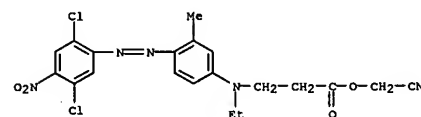
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RN 850545-39-0 CAPLUS  
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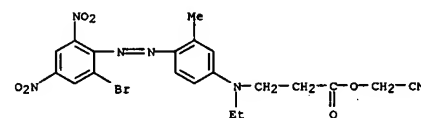


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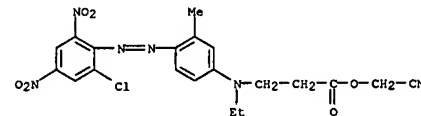


L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

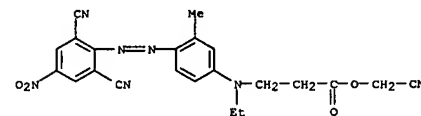
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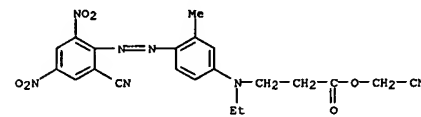
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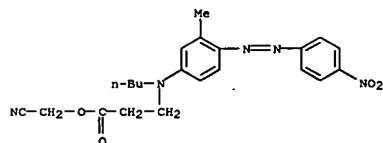
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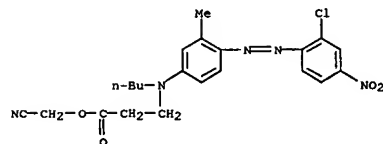
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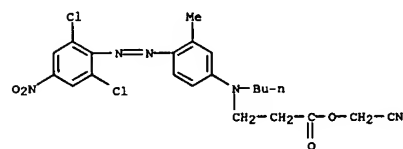
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
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RN 850545-50-5 CAPLUS  
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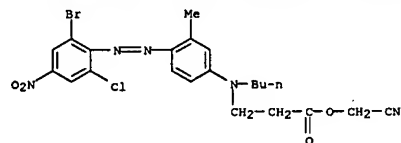


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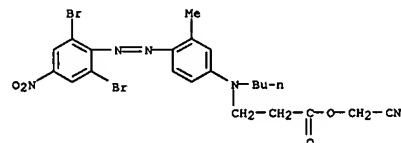


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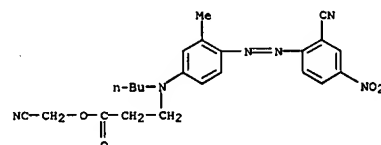
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 850545-53-8 CAPLUS  
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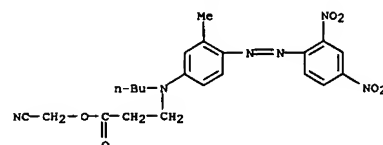


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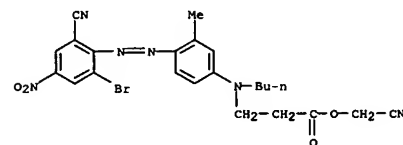


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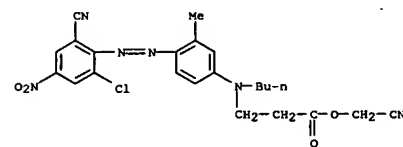
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 850545-56-1 CAPLUS  
 CN  $\beta$ -Alanine, N-[4-[(2-bromo-6-cyano-4-nitrophenyl)azo]-3-methylphenyl]-N-butyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

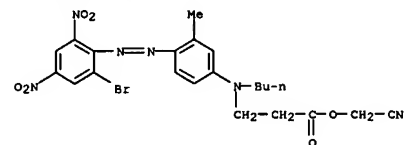


RN 850545-57-2 CAPLUS  
 CN  $\beta$ -Alanine, N-butyl-N-[4-[(2-chloro-6-cyano-4-nitrophenyl)azo]-3-methylphenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

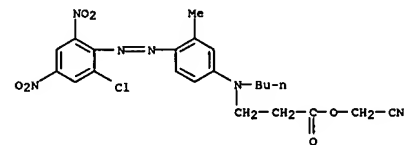


RN 850545-58-3 CAPLUS  
 CN  $\beta$ -Alanine, N-[4-[(2-bromo-4,6-dinitrophenyl)azo]-3-methylphenyl]-N-butyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

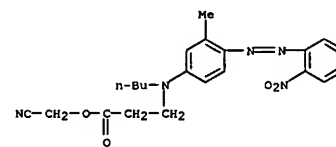
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 850545-59-4 CAPLUS  
 CN  $\beta$ -Alanine, N-butyl-N-[4-[(2-chloro-4,6-dinitrophenyl)azo]-3-methylphenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

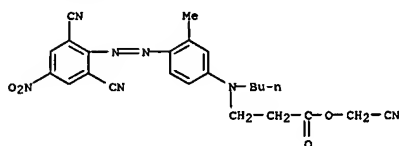


RN 850545-60-7 CAPLUS  
 CN  $\beta$ -Alanine, N-butyl-N-[3-methyl-4-[(2-nitrophenyl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

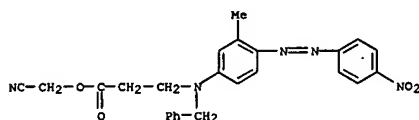


RN 850545-61-8 CAPLUS  
 CN  $\beta$ -Alanine, N-butyl-N-[4-[(2,6-dicyano-4-nitrophenyl)azo]-3-methylphenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

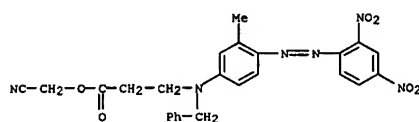
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 850545-62-9 CAPLUS  
CN  $\beta$ -Alanine, N-[3-methyl-4-[(4-nitrophenyl)azo]phenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)



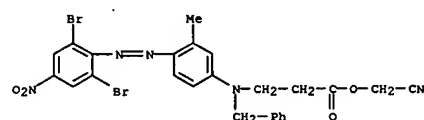
RN 850545-63-0 CAPLUS  
CN  $\beta$ -Alanine, N-[4-[(2,4-dinitrophenyl)azo]-3-methylphenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)



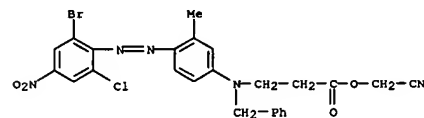
RN 850545-64-1 CAPLUS  
CN  $\beta$ -Alanine, N-[3-methyl-4-[(2-nitrophenyl)azo]phenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

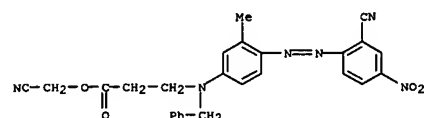
RN 850545-68-5 CAPLUS  
CN  $\beta$ -Alanine, N-[4-[(2,6-dibromo-4-nitrophenyl)azo]-3-methylphenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)



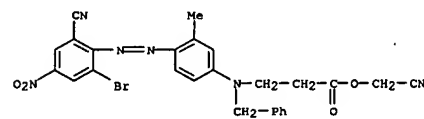
RN 850545-69-6 CAPLUS  
CN  $\beta$ -Alanine, N-[4-[(2-bromo-6-chloro-4-nitrophenyl)azo]-3-methylphenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)



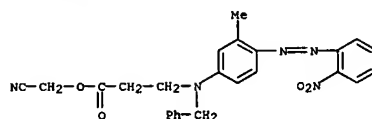
RN 850545-70-9 CAPLUS  
CN  $\beta$ -Alanine, N-[4-[(2-cyano-4-nitrophenyl)azo]-3-methylphenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)



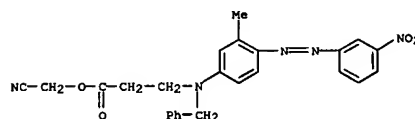
RN 850545-71-0 CAPLUS  
CN  $\beta$ -Alanine, N-[4-[(2-bromo-6-cyano-4-nitrophenyl)azo]-3-methylphenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)



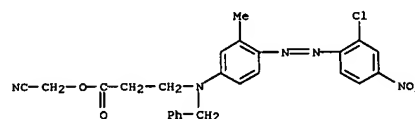
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



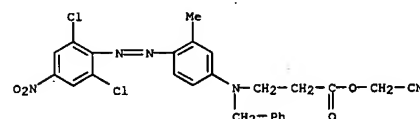
RN 850545-65-2 CAPLUS  
CN  $\beta$ -Alanine, N-[3-methyl-4-[(3-nitrophenyl)azo]phenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850545-66-3 CAPLUS  
CN  $\beta$ -Alanine, N-[4-[(2-chloro-4-nitrophenyl)azo]-3-methylphenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)

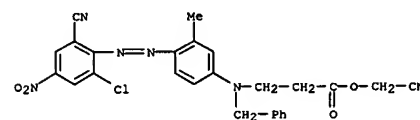


RN 850545-67-4 CAPLUS  
CN  $\beta$ -Alanine, N-[4-[(2,6-dichloro-4-nitrophenyl)azo]-3-methylphenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)

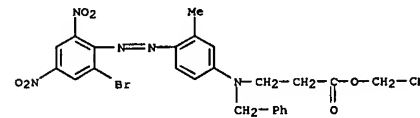


L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

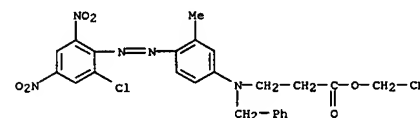
RN 850545-72-1 CAPLUS  
CN  $\beta$ -Alanine, N-[4-[(2-chloro-6-cyano-4-nitrophenyl)azo]-3-methylphenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850545-73-2 CAPLUS  
CN  $\beta$ -Alanine, N-[4-[(2-bromo-4,6-dinitrophenyl)azo]-3-methylphenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)

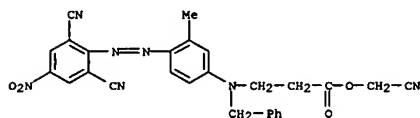


RN 850545-74-3 CAPLUS  
CN  $\beta$ -Alanine, N-[4-[(2-chloro-4,6-dinitrophenyl)azo]-3-methylphenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)

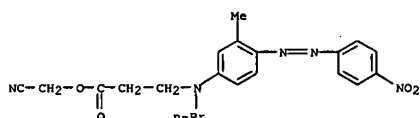


RN 850545-75-4 CAPLUS  
CN  $\beta$ -Alanine, N-[4-[(2-cyano-4,6-dinitrophenyl)azo]-3-methylphenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)

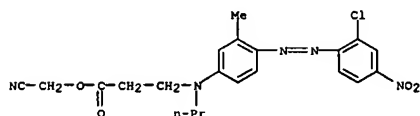
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
 RN 850545-76-5 CAPLUS  
 CN  $\beta$ -Alanine, N-[4-[(2,6-dicyano-4-nitrophenyl)azo]-3-methylphenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850545-77-6 CAPLUS  
 CN  $\beta$ -Alanine, N-[3-methyl-4-[(4-nitrophenyl)azo]phenyl]-N-propyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



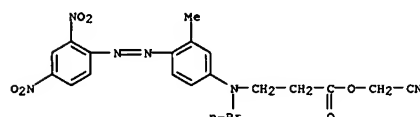
RN 850545-78-7 CAPLUS  
 CN  $\beta$ -Alanine, N-[4-[(2-chloro-4-nitrophenyl)azo]-3-methylphenyl]-N-propyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



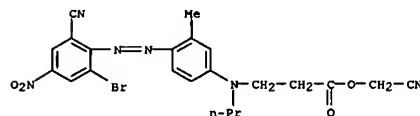
RN 850545-79-8 CAPLUS  
 CN  $\beta$ -Alanine, N-[4-[(2,6-dichloro-4-nitrophenyl)azo]-3-methylphenyl]-N-propyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



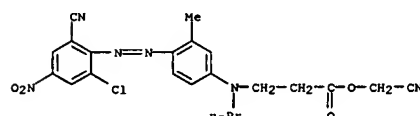
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
 RN 850545-83-4 CAPLUS  
 CN  $\beta$ -Alanine, N-[4-[(2,4-dinitrophenyl)azo]-3-methylphenyl]-N-propyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



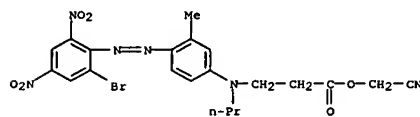
RN 850545-84-5 CAPLUS  
 CN  $\beta$ -Alanine, N-[4-[(2-bromo-6-cyano-4-nitrophenyl)azo]-3-methylphenyl]-N-propyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



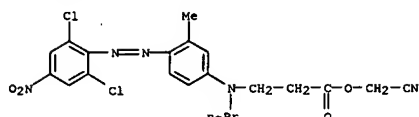
RN 850545-85-6 CAPLUS  
 CN  $\beta$ -Alanine, N-[4-[(2-chloro-6-cyano-4-nitrophenyl)azo]-3-methylphenyl]-N-propyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



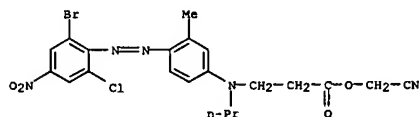
RN 850545-86-7 CAPLUS  
 CN  $\beta$ -Alanine, N-[4-[(2-bromo-4,6-dinitrophenyl)azo]-3-methylphenyl]-N-propyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



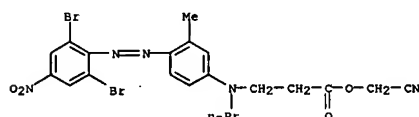
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



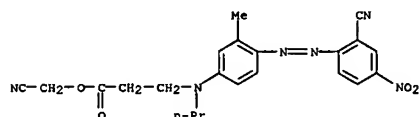
RN 850545-80-1 CAPLUS  
 CN  $\beta$ -Alanine, N-[4-[(2-bromo-6-chloro-4-nitrophenyl)azo]-3-methylphenyl]-N-propyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



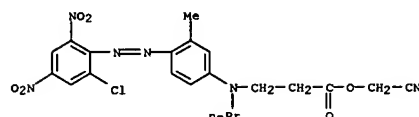
RN 850545-81-2 CAPLUS  
 CN  $\beta$ -Alanine, N-[4-[(2,6-dibromo-4-nitrophenyl)azo]-3-methylphenyl]-N-propyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



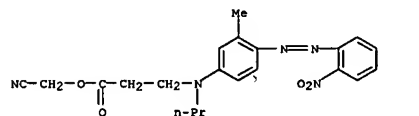
RN 850545-82-3 CAPLUS  
 CN  $\beta$ -Alanine, N-[4-[(2-cyano-4-nitrophenyl)azo]-3-methylphenyl]-N-propyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



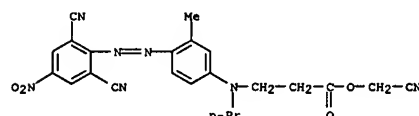
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
 RN 850545-87-8 CAPLUS  
 CN  $\beta$ -Alanine, N-[4-[(2-chloro-4,6-dinitrophenyl)azo]-3-methylphenyl]-N-propyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



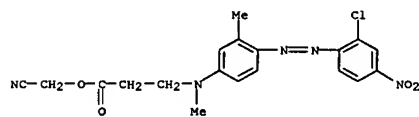
RN 850545-88-9 CAPLUS  
 CN  $\beta$ -Alanine, N-[3-methyl-4-[(2-nitrophenyl)azo]phenyl]-N-propyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



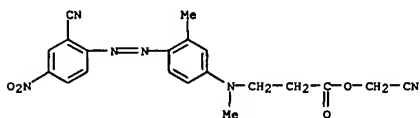
RN 850545-89-0 CAPLUS  
 CN  $\beta$ -Alanine, N-[4-[(2,6-dicyano-4-nitrophenyl)azo]-3-methylphenyl]-N-propyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



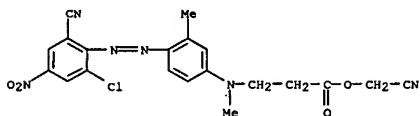
RN 850545-90-3 CAPLUS  
 CN  $\beta$ -Alanine, N-[4-[(2-chloro-4-nitrophenyl)azo]-3-methylphenyl]-N-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



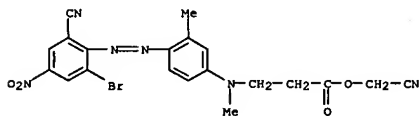
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
 RN 850545-91-4 CAPLUS  
 CN  $\beta$ -Alanine, N-[4-[(2-cyano-4-nitrophenyl)azo]-3-methylphenyl]-N-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850545-92-5 CAPLUS  
 CN  $\beta$ -Alanine, N-[4-[(2-chloro-6-cyano-4-nitrophenyl)azo]-3-methylphenyl]-N-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

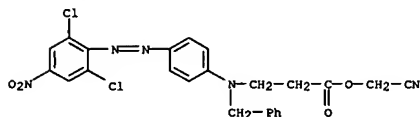


RN 850545-93-6 CAPLUS  
 CN  $\beta$ -Alanine, N-[4-[(2-bromo-6-cyano-4-nitrophenyl)azo]-3-methylphenyl]-N-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

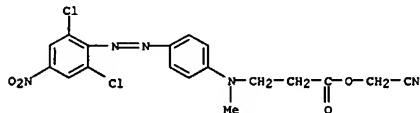


RN 850545-94-7 CAPLUS  
 CN  $\beta$ -Alanine, N-[4-[(2-bromo-4,6-dinitrophenyl)azo]-3-methylphenyl]-N-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

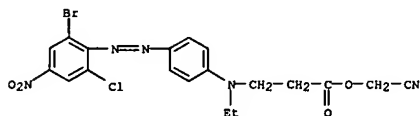
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



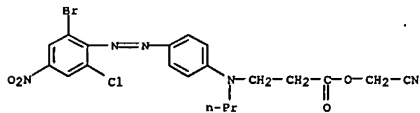
RN 850545-99-2 CAPLUS  
 CN  $\beta$ -Alanine, N-[4-[(2,6-dichloro-4-nitrophenyl)azo]phenyl]-N-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850546-00-8 CAPLUS  
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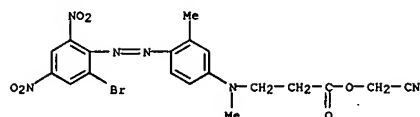


RN 850546-01-9 CAPLUS  
 CN  $\beta$ -Alanine, N-[4-[(2-bromo-6-chloro-4-nitrophenyl)azo]phenyl]-N-propyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

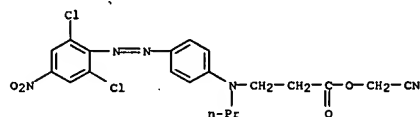


RN 850546-02-0 CAPLUS  
 CN  $\beta$ -Alanine, N-[4-[(2-bromo-6-chloro-4-nitrophenyl)azo]phenyl]-N-butyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

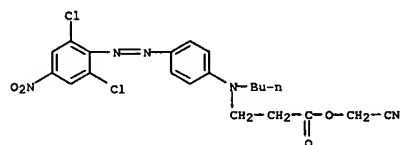
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 850545-96-9 CAPLUS  
 CN  $\beta$ -Alanine, N-[4-[(2,6-dichloro-4-nitrophenyl)azo]phenyl]-N-propyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

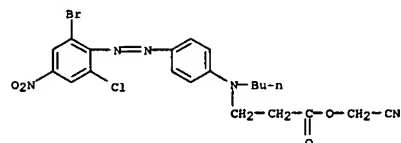


RN 850545-97-0 CAPLUS  
 CN  $\beta$ -Alanine, N-butyl-N-[4-[(2,6-dichloro-4-nitrophenyl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

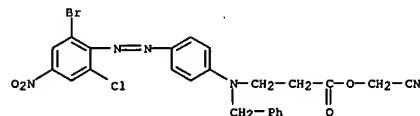


RN 850545-98-1 CAPLUS  
 CN  $\beta$ -Alanine, N-[4-[(2,6-dichloro-4-nitrophenyl)azo]phenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)

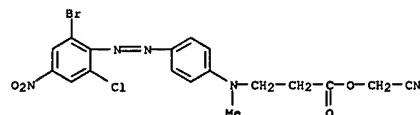
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



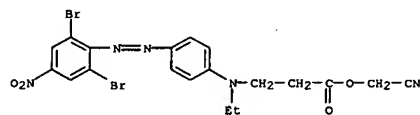
RN 850546-03-1 CAPLUS  
 CN  $\beta$ -Alanine, N-[4-[(2-bromo-6-chloro-4-nitrophenyl)azo]phenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850546-04-2 CAPLUS  
 CN  $\beta$ -Alanine, N-[4-[(2-bromo-6-chloro-4-nitrophenyl)azo]phenyl]-N-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

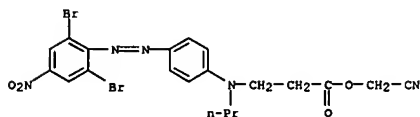


RN 850546-05-3 CAPLUS  
 CN  $\beta$ -Alanine, N-[4-[(2,6-dibromo-4-nitrophenyl)azo]phenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

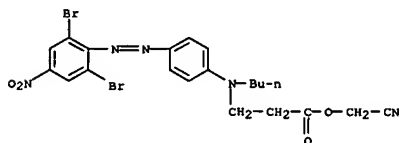


RN 850546-06-4 CAPLUS  
 CN  $\beta$ -Alanine, N-[4-[(2,6-dibromo-4-nitrophenyl)azo]phenyl]-N-propyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

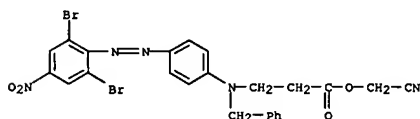
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
 cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850546-07-5 CAPLUS  
 CN  $\beta$ -Alanine, N-butyl-N-[4-[(2,6-dibromo-4-nitrophenyl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

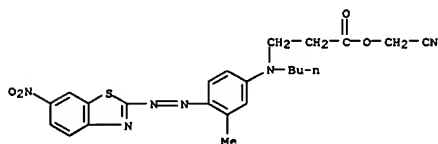


RN 850546-08-6 CAPLUS  
 CN  $\beta$ -Alanine, N-[4-[(2,6-dibromo-4-nitrophenyl)azo]phenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)

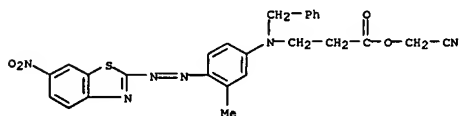


RN 850546-09-7 CAPLUS  
 CN  $\beta$ -Alanine, N-[4-[(2,6-dibromo-4-nitrophenyl)azo]phenyl]-N-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

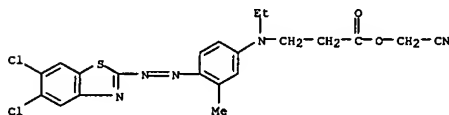
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
 RN 850546-14-4 CAPLUS  
 CN  $\beta$ -Alanine, N-butyl-N-[3-methyl-4-[(6-nitro-2-benzothiazolyl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850546-15-5 CAPLUS  
 CN  $\beta$ -Alanine, N-[3-methyl-4-[(6-nitro-2-benzothiazolyl)azo]phenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)

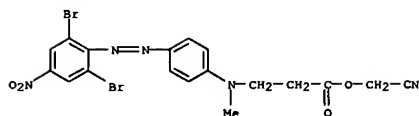


RN 850546-16-6 CAPLUS  
 CN  $\beta$ -Alanine, N-[4-[(5,6-dichloro-2-benzothiazolyl)azo]-3-methylphenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

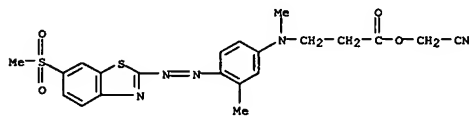


RN 850546-17-7 CAPLUS  
 CN  $\beta$ -Alanine, N-[4-[(5,6-dichloro-2-benzothiazolyl)azo]-3-methylphenyl]-N-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

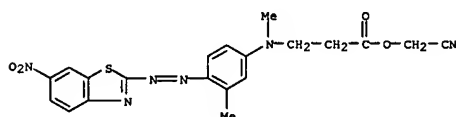
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



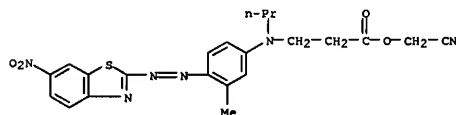
RN 850546-11-1 CAPLUS  
 CN  $\beta$ -Alanine, N-methyl-N-[3-methyl-4-[(6-(methylsulfonyl)-2-benzothiazolyl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)



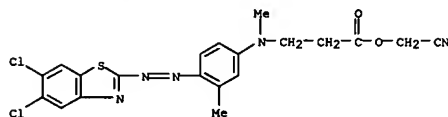
RN 850546-12-2 CAPLUS  
 CN  $\beta$ -Alanine, N-methyl-N-[3-methyl-4-[(6-nitro-2-benzothiazolyl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)



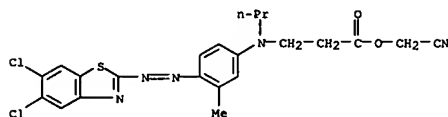
RN 850546-13-3 CAPLUS  
 CN  $\beta$ -Alanine, N-[3-methyl-4-[(6-nitro-2-benzothiazolyl)azo]phenyl]-N-propyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



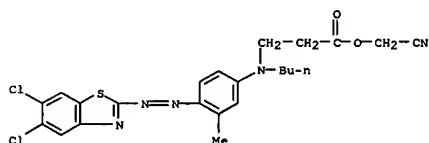
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



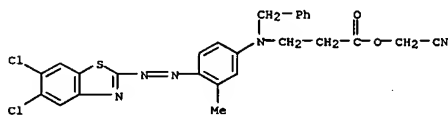
RN 850546-18-8 CAPLUS  
 CN  $\beta$ -Alanine, N-[4-[(5,6-dichloro-2-benzothiazolyl)azo]-3-methylphenyl]-N-propyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850546-19-9 CAPLUS  
 CN  $\beta$ -Alanine, N-butyl-N-[4-[(5,6-dichloro-2-benzothiazolyl)azo]-3-methylphenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)



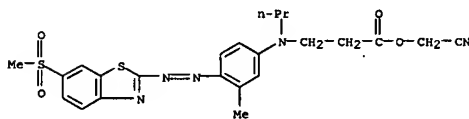
RN 850546-20-2 CAPLUS  
 CN  $\beta$ -Alanine, N-[4-[(5,6-dichloro-2-benzothiazolyl)azo]-3-methylphenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)



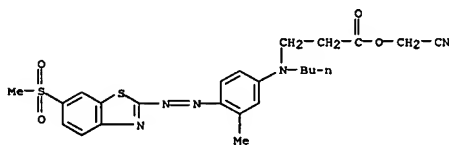
RN 850546-21-3 CAPLUS  
 CN  $\beta$ -Alanine, N-[3-methyl-4-[(6-(methylsulfonyl)-2-



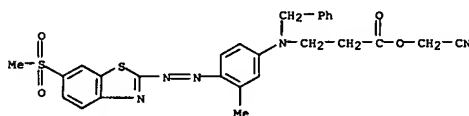
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
benzothiazolyl)azo]phenyl]-N-propyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850546-22-4 CAPLUS  
CN  $\beta$ -Alanine, N-butyl-N-[3-methyl-4-[(6-(methylsulfonyl)-2-benzothiazolyl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

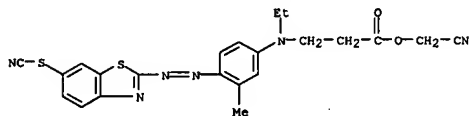


RN 850546-23-5 CAPLUS  
CN  $\beta$ -Alanine, N-[3-methyl-4-[(6-(methylsulfonyl)-2-benzothiazolyl)azo]phenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)

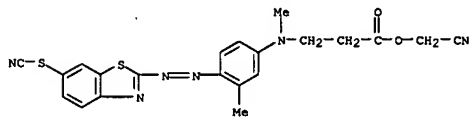


RN 850546-24-6 CAPLUS  
CN  $\beta$ -Alanine, N-ethyl-N-[3-methyl-4-[(6-thiocyanato-2-benzothiazolyl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

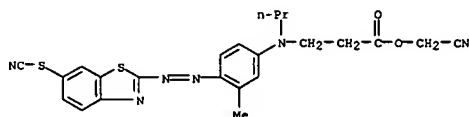
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 850546-25-7 CAPLUS  
CN  $\beta$ -Alanine, N-methyl-N-[3-methyl-4-[(6-thiocyanato-2-benzothiazolyl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

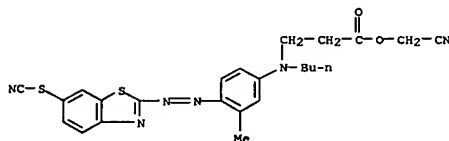


RN 850546-26-8 CAPLUS  
CN  $\beta$ -Alanine, N-[3-methyl-4-[(6-thiocyanato-2-benzothiazolyl)azo]phenyl]-N-propyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

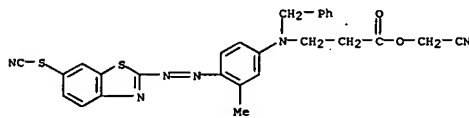


RN 850546-27-9 CAPLUS  
CN  $\beta$ -Alanine, N-butyl-N-[3-methyl-4-[(6-thiocyanato-2-benzothiazolyl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

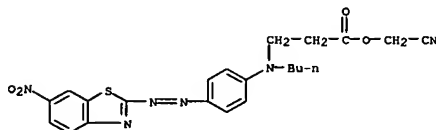
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



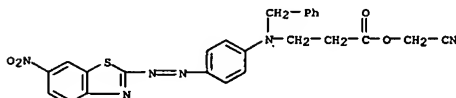
RN 850546-28-0 CAPLUS  
CN  $\beta$ -Alanine, N-[3-methyl-4-[(6-thiocyanato-2-benzothiazolyl)azo]phenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850546-29-1 CAPLUS  
CN  $\beta$ -Alanine, N-butyl-N-[4-[(6-nitro-2-benzothiazolyl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

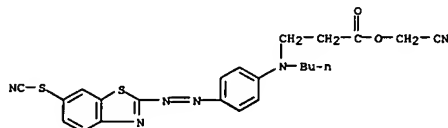


RN 850546-30-4 CAPLUS  
CN  $\beta$ -Alanine, N-[4-[(6-nitro-2-benzothiazolyl)azo]phenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)

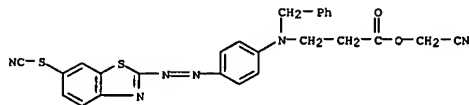


RN 850546-31-5 CAPLUS  
CN  $\beta$ -Alanine, N-butyl-N-[4-[(6-thiocyanato-2-benzothiazolyl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

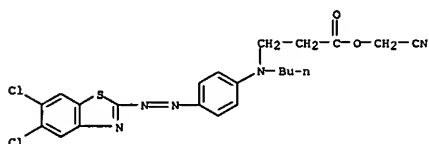
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
, cyanomethyl ester (9CI) (CA INDEX NAME)



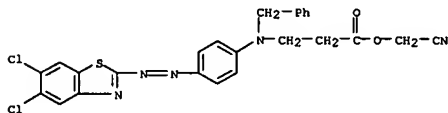
RN 850546-32-6 CAPLUS  
CN  $\beta$ -Alanine, N-(phenylmethyl)-N-[4-[(6-thiocyanato-2-benzothiazolyl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)



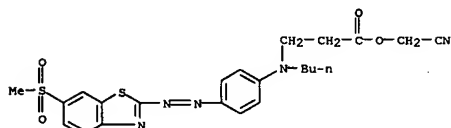
RN 850546-33-7 CAPLUS  
CN  $\beta$ -Alanine, N-butyl-N-[4-[(5,6-dichloro-2-benzothiazolyl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)



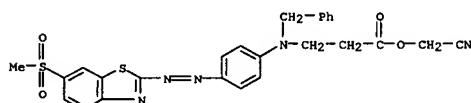
RN 850546-34-8 CAPLUS  
CN  $\beta$ -Alanine, N-[4-[(5,6-dichloro-2-benzothiazolyl)azo]phenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)



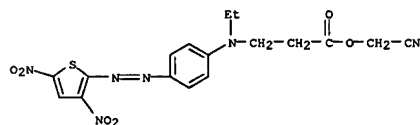
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
 RN 850546-35-9 CAPLUS  
 CN  $\beta$ -Alanine, N-butyl-N-[4-[[6-(methylsulfonyl)-2-benzothiazolyl]azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850546-36-0 CAPLUS  
 CN  $\beta$ -Alanine, N-[4-[[6-(methylsulfonyl)-2-benzothiazolyl]azo]phenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)

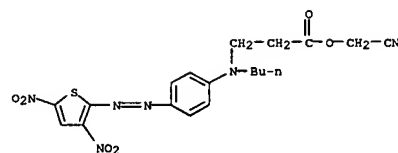


RN 850546-38-2 CAPLUS  
 CN  $\beta$ -Alanine, N-[4-[[3,5-dinitro-2-thienyl]azo]phenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

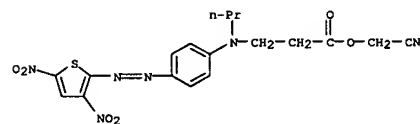


RN 850546-39-3 CAPLUS  
 CN  $\beta$ -Alanine, N-butyl-N-[4-[[3,5-dinitro-2-thienyl]azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

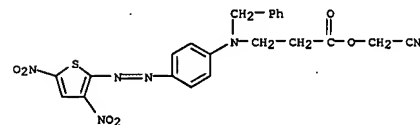
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 850546-40-6 CAPLUS  
 CN  $\beta$ -Alanine, N-[4-[[3,5-dinitro-2-thienyl]azo]phenyl]-N-propyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

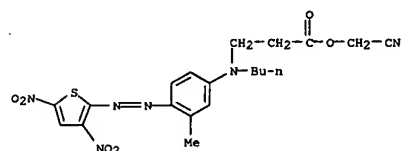


RN 850546-41-7 CAPLUS  
 CN  $\beta$ -Alanine, N-[4-[[3,5-dinitro-2-thienyl]azo]phenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)

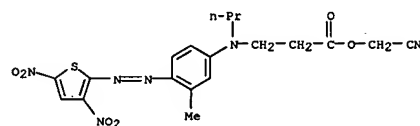


RN 850546-42-8 CAPLUS  
 CN  $\beta$ -Alanine, N-butyl-N-[4-[[3,5-dinitro-2-thienyl]azo]-3-methylphenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

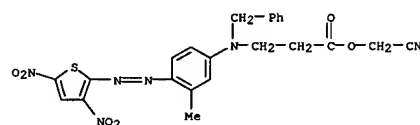
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 850546-43-9 CAPLUS  
 CN  $\beta$ -Alanine, N-[4-[[3,5-dinitro-2-thienyl]azo]-3-methylphenyl]-N-propyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

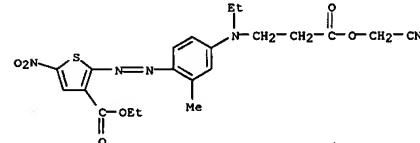


RN 850546-44-0 CAPLUS  
 CN  $\beta$ -Alanine, N-[4-[[3,5-dinitro-2-thienyl]azo]-3-methylphenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)

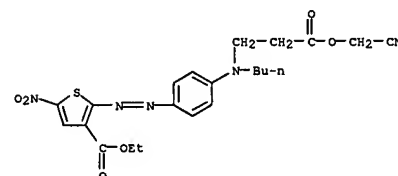


RN 850546-45-1 CAPLUS  
 CN 3-Thiophenecarboxylic acid, 2-[[4-[[3-(cyanomethoxy)-3-oxopropyl]ethylamino]-2-methylphenyl]azo]-5-nitro-, ethyl ester (9CI) (CA INDEX NAME)

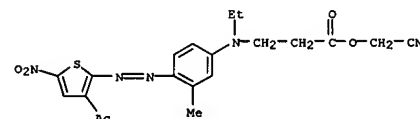
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 850546-46-2 CAPLUS  
 CN 3-Thiophenecarboxylic acid, 2-[[4-[[butyl[3-(cyanomethoxy)-3-oxopropyl]amino]phenyl]azo]-5-nitro-, ethyl ester (9CI) (CA INDEX NAME)

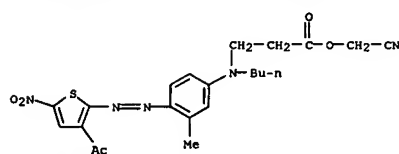


RN 850546-47-3 CAPLUS  
 CN  $\beta$ -Alanine, N-[4-[[3-acetyl-5-nitro-2-thienyl]azo]-3-methylphenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

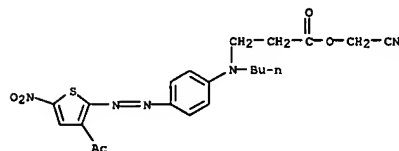


RN 850546-48-4 CAPLUS  
 CN  $\beta$ -Alanine, N-[4-[[3-acetyl-5-nitro-2-thienyl]azo]-3-methylphenyl]-N-butyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

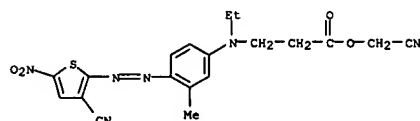
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 850546-49-5 CAPLUS  
CN  $\beta$ -Alanine, N-[4-[(3-acetyl-5-nitro-2-thienyl)azo]phenyl]-N-butyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

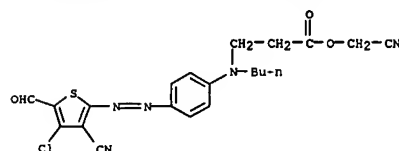


RN 850546-50-8 CAPLUS  
CN  $\beta$ -Alanine, N-[4-[(3-cyano-5-nitro-2-thienyl)azo]-3-methylphenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

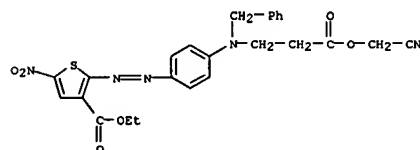


RN 850546-51-9 CAPLUS  
CN  $\beta$ -Alanine, N-[4-[(3-cyano-5-nitro-2-thienyl)azo]-3-methylphenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)

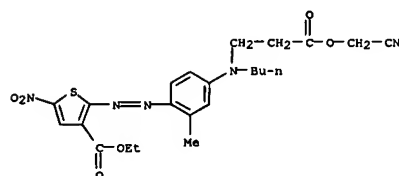
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 850546-55-3 CAPLUS  
CN 3-Thiophenecarboxylic acid, 2-[[4-[(3-(cyanomethoxy)-3-oxopropyl)phenylmethyl]amino]phenyl]azo]-5-nitro-, ethyl ester (9CI) (CA INDEX NAME)

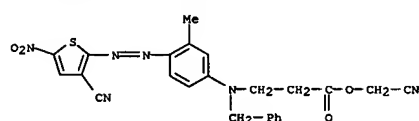


RN 850546-56-4 CAPLUS  
CN 3-Thiophenecarboxylic acid, 2-[[4-[(butyl[3-(cyanomethoxy)-3-oxopropyl]amino]-2-methylphenyl]azo]-5-nitro-, ethyl ester (9CI) (CA INDEX NAME)

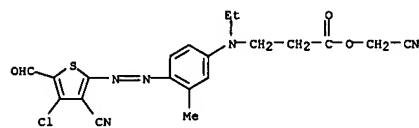


RN 850546-58-6 CAPLUS  
CN  $\beta$ -Alanine, N-ethyl-N-[4-[(5-nitro-2,1-benzisothiazol-3-yl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

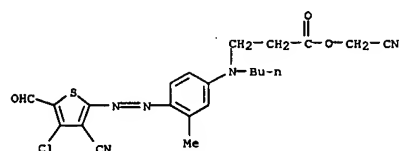
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 850546-52-0 CAPLUS  
CN  $\beta$ -Alanine, N-[4-[(4-chloro-3-cyano-5-formyl-2-thienyl)azo]-3-methylphenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

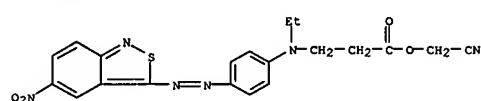


RN 850546-53-1 CAPLUS  
CN  $\beta$ -Alanine, N-butyl-N-[4-[(4-chloro-3-cyano-5-formyl-2-thienyl)azo]-3-methylphenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

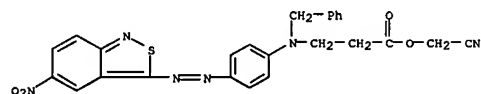


RN 850546-54-2 CAPLUS  
CN  $\beta$ -Alanine, N-butyl-N-[4-[(4-chloro-3-cyano-5-formyl-2-thienyl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

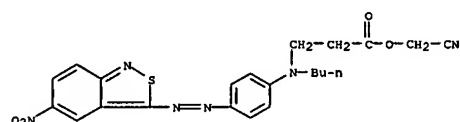
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



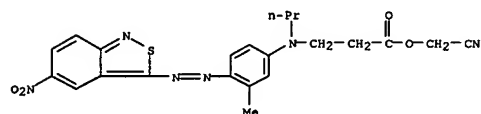
RN 850546-59-7 CAPLUS  
CN  $\beta$ -Alanine, N-[4-[(5-nitro-2,1-benzisothiazol-3-yl)azo]phenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850546-60-0 CAPLUS  
CN  $\beta$ -Alanine, N-butyl-N-[4-[(5-nitro-2,1-benzisothiazol-3-yl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

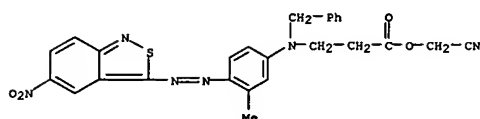


RN 850546-61-1 CAPLUS  
CN  $\beta$ -Alanine, N-[3-methyl-4-[(5-nitro-2,1-benzisothiazol-3-yl)azo]phenyl]-N-propyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

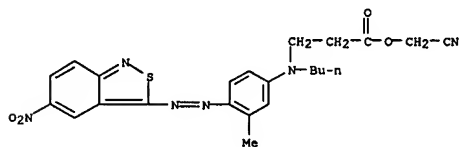


RN 850546-62-2 CAPLUS  
CN  $\beta$ -Alanine, N-[3-methyl-4-[(5-nitro-2,1-benzisothiazol-3-yl)azo]phenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)

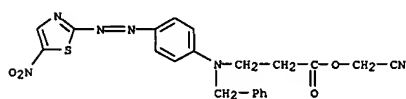
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



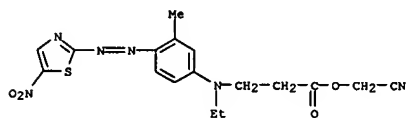
RN 850546-63-3 CAPLUS  
CN  $\beta$ -Alanine, N-butyl-N-[3-methyl-4-[(5-nitro-2,1-benzisothiazol-3-yl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850546-65-5 CAPLUS  
CN  $\beta$ -Alanine, N-[4-[(5-nitro-2-thiazolyl)azo]phenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)

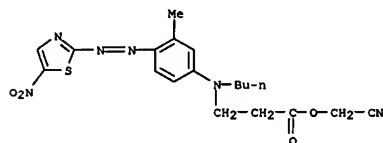


RN 850546-66-6 CAPLUS  
CN  $\beta$ -Alanine, N-ethyl-N-[3-methyl-4-[(5-nitro-2-thiazolyl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

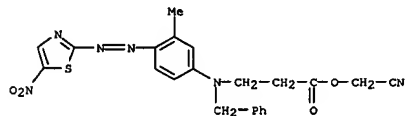


L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

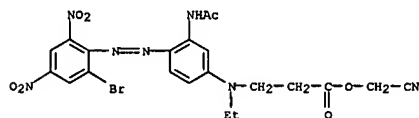
RN 850546-67-7 CAPLUS  
CN  $\beta$ -Alanine, N-butyl-N-[3-methyl-4-[(5-nitro-2-thiazolyl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850546-68-8 CAPLUS  
CN  $\beta$ -Alanine, N-[3-methyl-4-[(5-nitro-2-thiazolyl)azo]phenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)

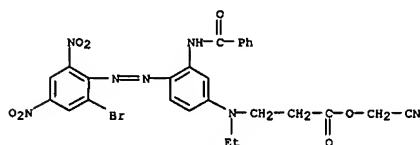


RN 850546-70-2 CAPLUS  
CN  $\beta$ -Alanine, N-[3-(acetylamino)-4-[(2-bromo-4,6-dinitrophenyl)azo]phenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

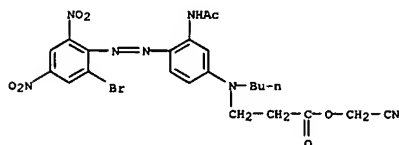


RN 850546-71-3 CAPLUS  
CN  $\beta$ -Alanine, N-[3-(benzoylamino)-4-[(2-bromo-4,6-dinitrophenyl)azo]phenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

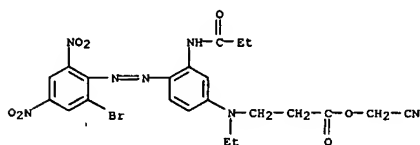
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 850546-72-4 CAPLUS  
CN  $\beta$ -Alanine, N-[3-(acetylamino)-4-[(2-bromo-4,6-dinitrophenyl)azo]phenyl]-N-butyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

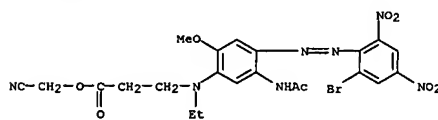


RN 850546-73-5 CAPLUS  
CN  $\beta$ -Alanine, N-[4-[(2-bromo-4,6-dinitrophenyl)azo]-3-[(1-oxopropyl)amino]phenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

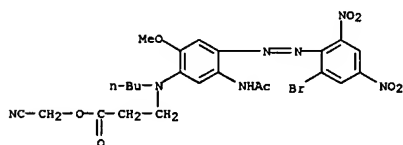


RN 850546-74-6 CAPLUS  
CN  $\beta$ -Alanine, N-[5-(acetylamino)-4-[(2-bromo-4,6-dinitrophenyl)azo]-2-methoxyphenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

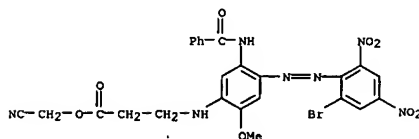
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 850546-75-7 CAPLUS  
CN  $\beta$ -Alanine, N-[5-(acetylamino)-4-[(2-bromo-4,6-dinitrophenyl)azo]-2-methoxyphenyl]-N-butyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

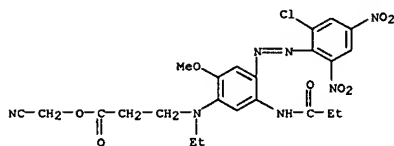


RN 850546-76-8 CAPLUS  
CN  $\beta$ -Alanine, N-[5-(benzoylamino)-4-[(2-bromo-4,6-dinitrophenyl)azo]-2-methoxyphenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

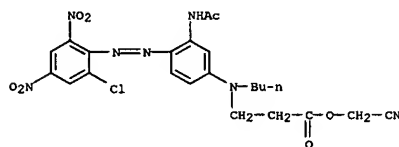


RN 850546-77-9 CAPLUS  
CN  $\beta$ -Alanine, N-[4-[(2-chloro-4,6-dinitrophenyl)azo]-2-methoxy-5-[(1-oxopropyl)amino]phenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

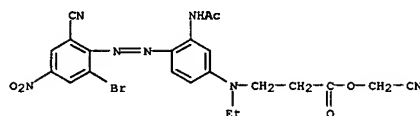
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 850546-78-0 CAPLUS  
 CN  $\beta$ -Alanine, N-[3-(acetylamino)-4-[(2-chloro-4,6-dinitrophenyl)azo]phenyl]-N-butyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

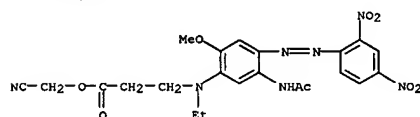


RN 850546-79-1 CAPLUS  
 CN  $\beta$ -Alanine, N-[3-(acetylamino)-4-[(2-bromo-6-cyano-4-nitrophenyl)azo]phenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

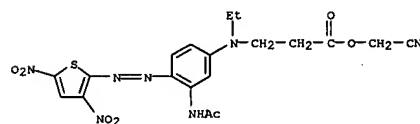


RN 850546-80-4 CAPLUS  
 CN  $\beta$ -Alanine, N-[3-(acetylamino)-4-[(2-chloro-4-nitrophenyl)azo]phenyl]-N-butyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

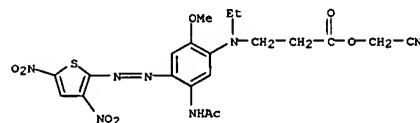
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



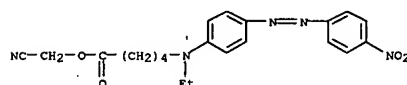
RN 850546-84-8 CAPLUS  
 CN  $\beta$ -Alanine, N-[5-(acetylamino)-4-[(3,5-dinitro-2-thienyl)azo]phenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850546-85-9 CAPLUS  
 CN  $\beta$ -Alanine, N-[5-(acetylamino)-4-[(3,5-dinitro-2-thienyl)azo]-2-methoxyphenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

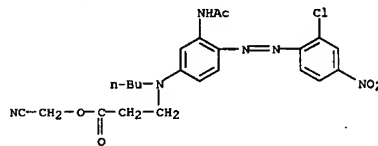


RN 850546-87-1 CAPLUS  
 CN Pentanoic acid, 5-[ethyl[4-[(4-nitrophenyl)azo]phenyl]amino]-, cyanomethyl ester (9CI) (CA INDEX NAME)

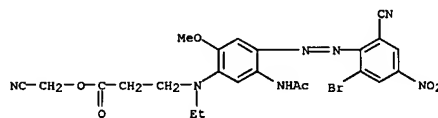


RN 850546-88-2 CAPLUS  
 CN Butanoic acid, 4-[ethyl[4-[(4-nitrophenyl)azo]phenyl]amino]-, cyanomethyl ester (9CI) (CA INDEX NAME)

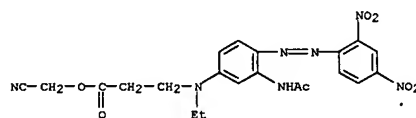
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 850546-81-5 CAPLUS  
 CN  $\beta$ -Alanine, N-[5-(acetylamino)-4-[(2-bromo-6-cyano-4-nitrophenyl)azo]-2-methoxyphenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

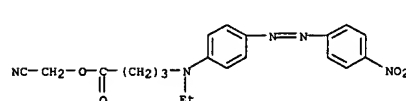


RN 850546-82-6 CAPLUS  
 CN  $\beta$ -Alanine, N-[5-(acetylamino)-4-[(2,4-dinitrophenyl)azo]phenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

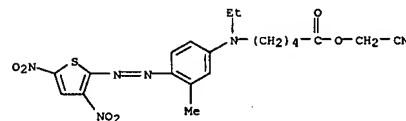


RN 850546-83-7 CAPLUS  
 CN  $\beta$ -Alanine, N-[5-(acetylamino)-4-[(2,4-dinitrophenyl)azo]-2-methoxyphenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

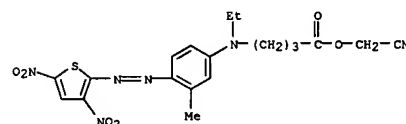
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



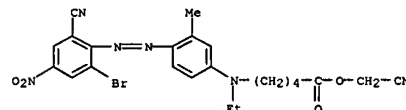
RN 850546-89-3 CAPLUS  
 CN Pentanoic acid, 5-[4-[(3,5-dinitro-2-thienyl)azo]-3-methylphenyl]ethylamino-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850546-90-6 CAPLUS  
 CN Butanoic acid, 4-[4-[(3,5-dinitro-2-thienyl)azo]-3-methylphenyl]ethylamino-, cyanomethyl ester (9CI) (CA INDEX NAME)

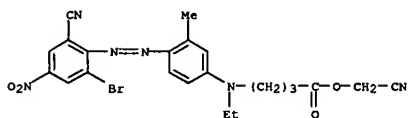


RN 850546-91-7 CAPLUS  
 CN Pentanoic acid, 5-[4-[(2-bromo-6-cyano-4-nitrophenyl)azo]-3-methylphenyl]ethylamino-, cyanomethyl ester (9CI) (CA INDEX NAME)

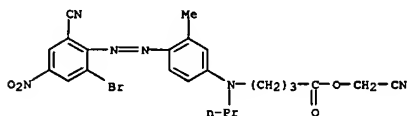


RN 850546-92-8 CAPLUS  
 CN Butanoic acid, 4-[4-[(2-bromo-6-cyano-4-nitrophenyl)azo]-3-methylphenyl]ethylamino-, cyanomethyl ester (9CI) (CA INDEX NAME)

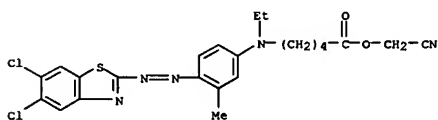
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



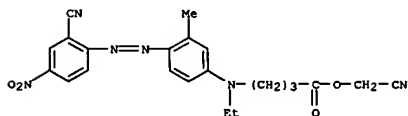
RN 850546-93-9 CAPLUS  
 CN Butanoic acid, 4-[[4-[(2-bromo-6-cyano-4-nitrophenyl)azo]-3-methylphenyl]propylamino]-, cyanomethyl ester (9CI) (CA INDEX NAME)



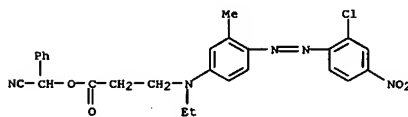
RN 850546-94-0 CAPLUS  
 CN Pentanoic acid, 5-[[4-[(5,6-dichloro-2-benzothiazolyl)azo]-3-methylphenyl]ethylamino]-, cyanomethyl ester (9CI) (CA INDEX NAME)



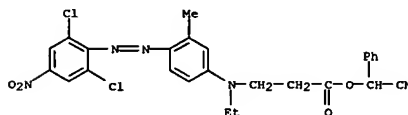
RN 850546-95-1 CAPLUS  
 CN Butanoic acid, 4-[[4-[(2-cyano-4-nitrophenyl)azo]-3-methylphenyl]ethylamino]-, cyanomethyl ester (9CI) (CA INDEX NAME)



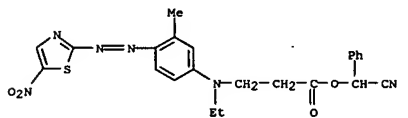
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



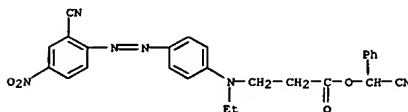
RN 850547-01-2 CAPLUS  
 CN beta-Alanine, N-[4-[(2,6-dichloro-4-nitrophenyl)azo]-3-methylphenyl]-N-ethyl-, cyanophenylmethyl ester (9CI) (CA INDEX NAME)



RN 850547-02-3 CAPLUS  
 CN beta-Alanine, N-ethyl-N-[3-methyl-4-[(5-nitro-2-thiazolyl)azo]phenyl]-, cyanophenylmethyl ester (9CI) (CA INDEX NAME)



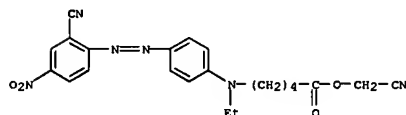
RN 850547-03-4 CAPLUS  
 CN beta-Alanine, N-[4-[(2-cyano-4-nitrophenyl)azo]phenyl]-N-ethyl-, cyanophenylmethyl ester (9CI) (CA INDEX NAME)



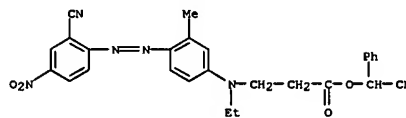
RN 850547-04-5 CAPLUS  
 CN beta-Alanine, N-[4-[(2-chloro-4-nitrophenyl)azo]phenyl]-N-ethyl-, cyanophenylmethyl ester (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

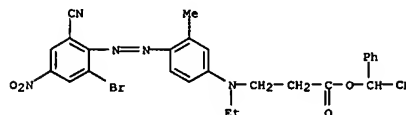
RN 850546-96-2 CAPLUS  
 CN Pentanoic acid, 5-[[4-[(2-cyano-4-nitrophenyl)azo]phenyl]ethylamino]-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850546-98-4 CAPLUS  
 CN beta-Alanine, N-[4-[(2-cyano-4-nitrophenyl)azo]-3-methylphenyl]-N-ethyl-, cyanophenylmethyl ester (9CI) (CA INDEX NAME)

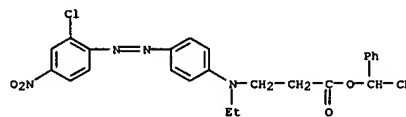


RN 850546-99-5 CAPLUS  
 CN beta-Alanine, N-[4-[(2-bromo-6-cyano-4-nitrophenyl)azo]-3-methylphenyl]-N-ethyl-, cyanophenylmethyl ester (9CI) (CA INDEX NAME)

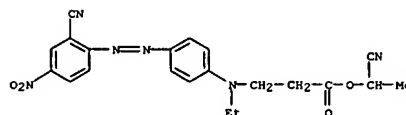


RN 850547-00-1 CAPLUS  
 CN beta-Alanine, N-[4-[(2-chloro-4-nitrophenyl)azo]-3-methylphenyl]-N-ethyl-, cyanophenylmethyl ester (9CI) (CA INDEX NAME)

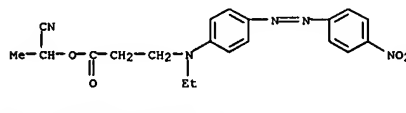
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



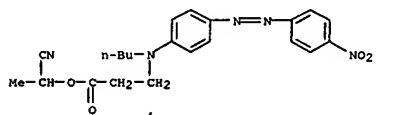
RN 850547-05-6 CAPLUS  
 CN beta-Alanine, N-[4-[(2-cyano-4-nitrophenyl)azo]phenyl]-N-ethyl-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)



RN 850547-06-7 CAPLUS  
 CN beta-Alanine, N-ethyl-N-[4-[(4-nitrophenyl)azo]phenyl]-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)

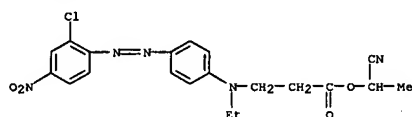


RN 850547-07-8 CAPLUS  
 CN beta-Alanine, N-butyl-N-[4-[(4-nitrophenyl)azo]phenyl]-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)

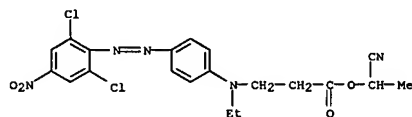


RN 850547-08-9 CAPLUS  
 CN beta-Alanine, N-[4-[(2-chloro-4-nitrophenyl)azo]phenyl]-N-ethyl-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)

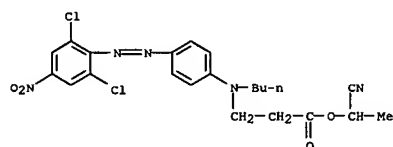
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



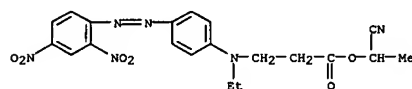
RN 850547-09-0 CAPLUS  
CN  $\beta$ -Alanine, N-[4-[(2,6-dichloro-4-nitrophenyl)azo]phenyl]-N-ethyl-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)



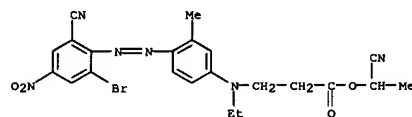
RN 850547-10-3 CAPLUS  
CN  $\beta$ -Alanine, N-butyl-N-[4-[(2,6-dichloro-4-nitrophenyl)azo]phenyl]-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)



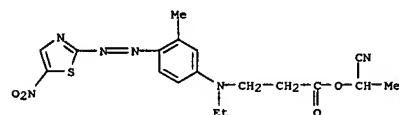
RN 850547-11-4 CAPLUS  
CN  $\beta$ -Alanine, N-[4-[(2,4-dinitrophenyl)azo]phenyl]-N-ethyl-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)



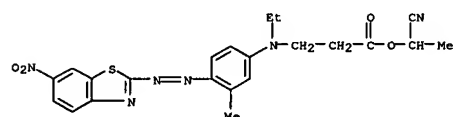
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



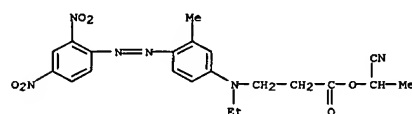
RN 850547-16-9 CAPLUS  
CN  $\beta$ -Alanine, N-ethyl-N-[3-methyl-4-[(5-nitro-2-thiazolyl)azo]phenyl]-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)



RN 850547-17-0 CAPLUS  
CN  $\beta$ -Alanine, N-ethyl-N-[3-methyl-4-[(6-nitro-2-benzothiazolyl)azo]phenyl]-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)



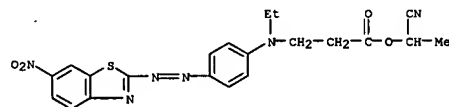
RN 850547-18-1 CAPLUS  
CN  $\beta$ -Alanine, N-[4-[(2,4-dinitrophenyl)azo]-3-methylphenyl]-N-ethyl-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)



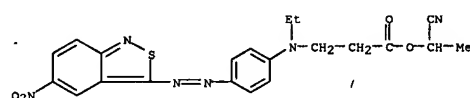
RN 850547-19-2 CAPLUS  
CN  $\beta$ -Alanine, N-ethyl-N-[3-methyl-4-[(5-nitro-2-benzisothiazol-3-yl)azo]phenyl]-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

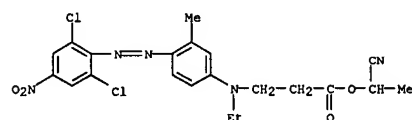
RN 850547-12-5 CAPLUS  
CN  $\beta$ -Alanine, N-ethyl-N-[4-[(6-nitro-2-benzothiazolyl)azo]phenyl]-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)



RN 850547-13-6 CAPLUS  
CN  $\beta$ -Alanine, N-ethyl-N-[4-[(5-nitro-2,1-benzisothiazol-3-yl)azo]phenyl]-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)

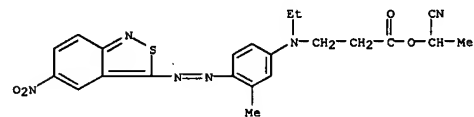


RN 850547-14-7 CAPLUS  
CN  $\beta$ -Alanine, N-[4-[(2,6-dichloro-4-nitrophenyl)azo]-3-methylphenyl]-N-ethyl-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)

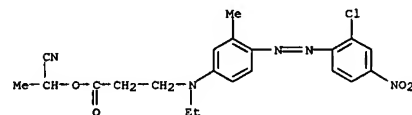


RN 850547-15-8 CAPLUS  
CN  $\beta$ -Alanine, N-[4-[(2-bromo-6-cyano-4-nitrophenyl)azo]-3-methylphenyl]-N-ethyl-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)

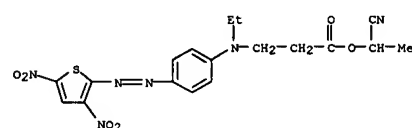
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



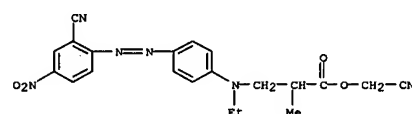
RN 850547-20-5 CAPLUS  
CN  $\beta$ -Alanine, N-[4-[(2-chloro-4-nitrophenyl)azo]-3-methylphenyl]-N-ethyl-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)



RN 850547-21-6 CAPLUS  
CN  $\beta$ -Alanine, N-[4-[(3,5-dinitro-2-thienyl)azo]phenyl]-N-ethyl-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)

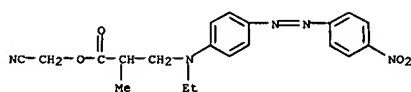


RN 850547-23-8 CAPLUS  
CN Propanoic acid, 3-[[4-[(2-cyano-4-nitrophenyl)azo]phenyl]ethylamino]-2-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

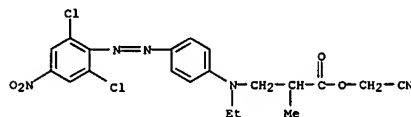


RN 850547-24-9 CAPLUS  
CN Propanoic acid, 3-[[ethyl[4-[(4-nitrophenyl)azo]phenyl]amino]-2-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

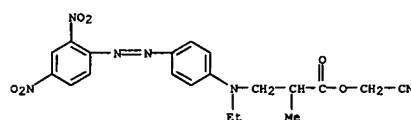
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



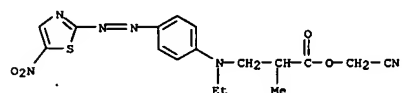
RN 850547-25-0 CAPLUS  
CN Propanoic acid,  
3-[[4-[(2,6-dichloro-4-nitrophenyl)azo]phenyl]ethylamino]-  
2-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850547-26-1 CAPLUS  
CN Propanoic acid,  
3-[[4-[(2,4-dinitrophenyl)azo]phenyl]ethylamino]-2-methyl-,  
cyanomethyl ester (9CI) (CA INDEX NAME)

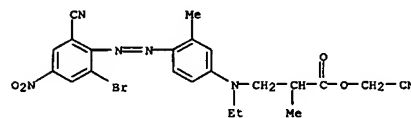


RN 850547-27-2 CAPLUS  
CN Propanoic acid, 3-[ethyl[4-[(5-nitro-2-thiazolyl)azo]phenyl]amino]-2-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

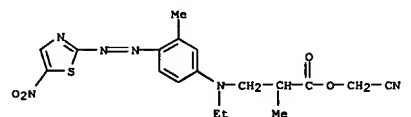


RN 850547-28-3 CAPLUS

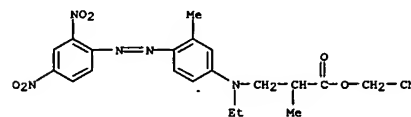
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



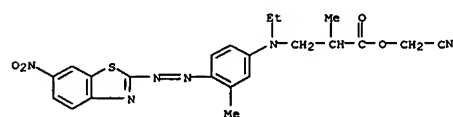
RN 850547-32-9 CAPLUS  
CN Propanoic acid, 3-[ethyl[3-methyl-4-[(5-nitro-2-thiazolyl)azo]phenyl]amino]-2-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850547-33-0 CAPLUS  
CN Propanoic acid,  
3-[[4-[(2,4-dinitrophenyl)azo]-3-methylphenyl]ethylamino]-  
2-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



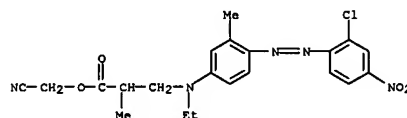
RN 850547-34-1 CAPLUS  
CN Propanoic acid, 3-[ethyl[3-methyl-4-[(6-nitro-2-benzothiazolyl)azo]phenyl]amino]-2-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



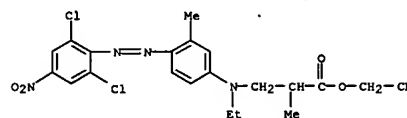
RN 850547-35-2 CAPLUS

L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

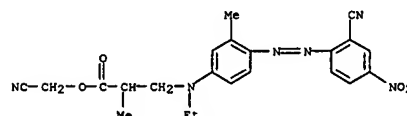
CN Propanoic acid, 3-[[4-[(2-chloro-4-nitrophenyl)azo]-3-methylphenyl]ethylamino]-2-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850547-29-4 CAPLUS  
CN Propanoic acid, 3-[[4-[(2,6-dichloro-4-nitrophenyl)azo]-3-methylphenyl]ethylamino]-2-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850547-30-7 CAPLUS  
CN Propanoic acid, 3-[[4-[(2-cyano-4-nitrophenyl)azo]-3-methylphenyl]ethylamino]-2-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

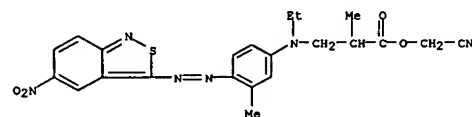


RN 850547-31-8 CAPLUS  
CN Propanoic acid, 3-[[4-[(2-bromo-6-cyano-4-nitrophenyl)azo]-3-methylphenyl]ethylamino]-2-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

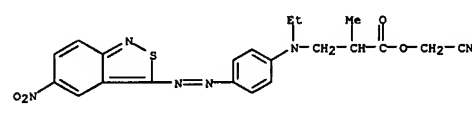


L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

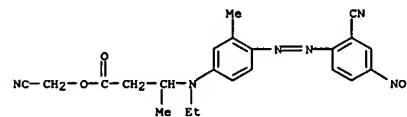
CN Propanoic acid, 3-[ethyl[3-methyl-4-[(5-nitro-2,1-benzisothiazol-3-yl)azo]phenyl]amino]-2-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



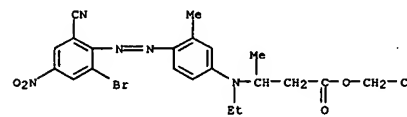
RN 850547-36-3 CAPLUS  
CN Propanoic acid, 3-[ethyl[4-[(5-nitro-2,1-benzisothiazol-3-yl)azo]phenyl]amino]-2-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850547-37-4 CAPLUS  
CN Butanoic acid, 3-[[4-[(2-cyano-4-nitrophenyl)azo]-3-methylphenyl]ethylamino]-, cyanomethyl ester (9CI) (CA INDEX NAME)



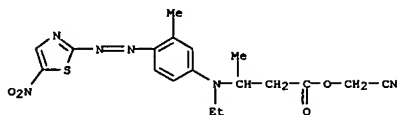
RN 850547-38-5 CAPLUS  
CN Butanoic acid, 3-[[4-[(2-bromo-6-cyano-4-nitrophenyl)azo]-3-methylphenyl]ethylamino]-, cyanomethyl ester (9CI) (CA INDEX NAME)



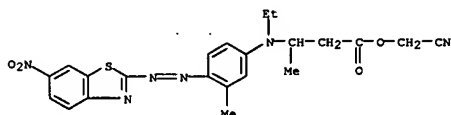
RN 850547-39-6 CAPLUS  
CN Butanoic acid,  
3-[ethyl[3-methyl-4-[(5-nitro-2-thiazolyl)azo]phenyl]amino]-



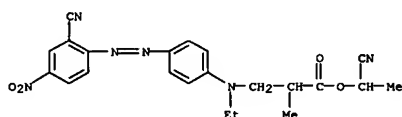
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
 , cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850547-40-9 CAPLUS  
 CN Butanoic acid, 3-[[4-[(2-cyano-4-nitrophenyl)azo]phenyl]amino]-2-methyl-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)

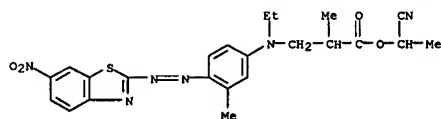


RN 850547-42-1 CAPLUS  
 CN Propanoic acid, 3-[[4-[(2-bromo-6-cyano-4-nitrophenyl)azo]phenyl]ethylamino]-2-methyl-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)

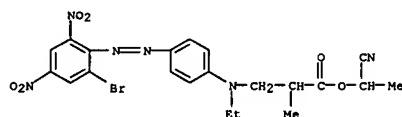


RN 850547-43-2 CAPLUS  
 CN Propanoic acid, 3-[[4-[(2-chloro-4-nitrophenyl)azo]-3-methylphenyl]ethylamino]-2-methyl-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)

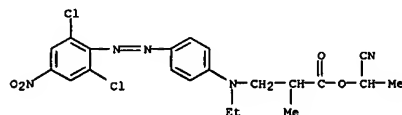
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



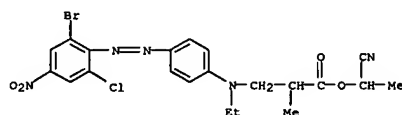
RN 850547-47-6 CAPLUS  
 CN Propanoic acid, 3-[[4-[(2-bromo-4,6-dinitrophenyl)azo]phenyl]ethylamino]-2-methyl-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)



RN 850547-48-7 CAPLUS  
 CN Propanoic acid, 3-[[4-[(2,6-dichloro-4-nitrophenyl)azo]phenyl]ethylamino]-2-methyl-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)

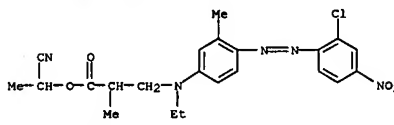


RN 850547-49-8 CAPLUS  
 CN Propanoic acid, 3-[[4-[(2-bromo-6-chloro-4-nitrophenyl)azo]phenyl]ethylamino]-2-methyl-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)

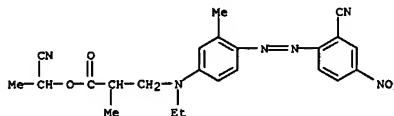


RN 850547-50-1 CAPLUS

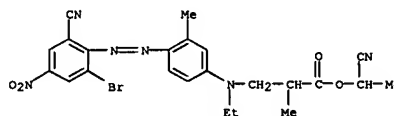
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 850547-44-3 CAPLUS  
 CN Propanoic acid, 3-[[4-[(2-cyano-4-nitrophenyl)azo]-3-methylphenyl]ethylamino]-2-methyl-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)

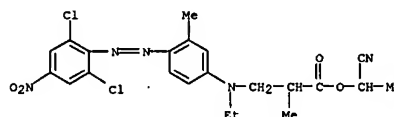


RN 850547-45-4 CAPLUS  
 CN Propanoic acid, 3-[[4-[(2-bromo-6-cyano-4-nitrophenyl)azo]-3-methylphenyl]ethylamino]-2-methyl-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)

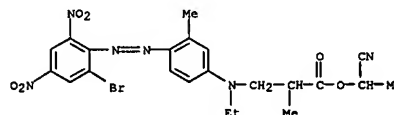


RN 850547-46-5 CAPLUS  
 CN Propanoic acid, 3-[[4-[(2-bromo-6-cyano-4-nitrophenyl)azo]-3-methylphenyl]ethylamino]-2-methyl-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)

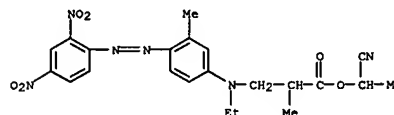
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
 CN Propanoic acid, 3-[[4-[(2,6-dichloro-4-nitrophenyl)azo]-3-methylphenyl]ethylamino]-2-methyl-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)



RN 850547-51-2 CAPLUS  
 CN Propanoic acid, 3-[[4-[(2-bromo-4,6-dinitrophenyl)azo]-3-methylphenyl]ethylamino]-2-methyl-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)

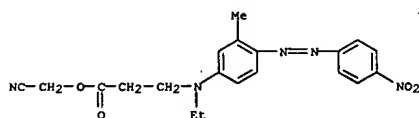


RN 850547-52-3 CAPLUS  
 CN Propanoic acid, 3-[[4-[(2,4-dinitrophenyl)azo]-3-methylphenyl]ethylamino]-2-methyl-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)

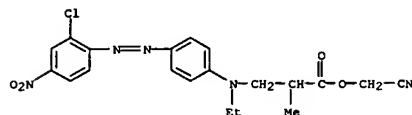


IT 850545-31-2P, 4-[(4-Nitrophenyl)azo]-3-methyl-N-ethyl-N-(2-cyanomethoxycarbonyl)ethyl)aniline 850547-22-7P, 4-[(2-Chloro-4-nitrophenyl)azo]-N-ethyl-N-(2-cyanomethoxycarbonyl)propyl)aniline 850547-53-4P, 4-[(2-Cyano-4-nitrophenyl)azo]-N-ethyl-N-(1-cyanomethoxycarbonyl)ethyl)-m-toluidine  
 RI: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)  
 (red dye; preparation of disperse azo dyestuffs for dyeing polyester fabrics)  
 RN 850545-31-2 CAPLUS  
 CN β-Alanine, N-ethyl-N-[3-methyl-4-[(4-nitrophenyl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

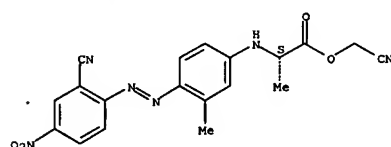


RN 850547-22-7 CAPLUS  
CN Propanoic acid, 3-[[4-[(2-chloro-4-nitrophenyl)azo]phenyl]ethylamino]-2-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



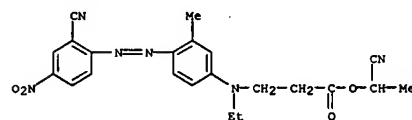
RN 850547-53-4 CAPLUS  
CN L-Alanine, N-[4-[(2-cyano-4-nitrophenyl)azo]-3-methylphenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.  
Double bond geometry unknown.



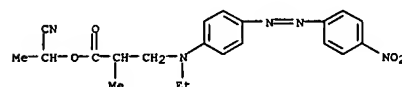
IT 850546-10-0P, 4-[(6-Nitrobenzothiazol-yl-azo)-3-methyl-N-ethyl-N-(2-cyanomethoxycarbonyl)aniline 850546-69-9P, 4-(2-Chloro-4-nitrophenylazo)-3-acetylamin-N-ethyl-N-(2-cyanomethoxycarbonyl)aniline 850546-86-0P, 4-(2-Cyano-4-nitrophenylazo)-3-methyl-N-ethyl-N-(4-cyanomethoxycarbonyl)aniline 850546-97-3P, 4-(2-Cyano-4-nitrophenylazo)-3-methyl-N-ethyl-N-(2-(1-cyanoethoxy)carbonyl)aniline  
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)  
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



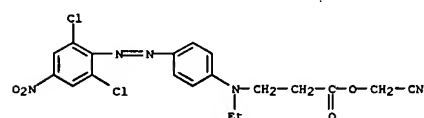
IT 850547-41-0P, 4-[(4-Nitrophenylazo)-N-ethyl-N-(1-cyanoethoxycarbonyl)aniline  
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)  
(scarlet dye; preparation of disperse azo dyestuffs for dyeing polyester fabrics)

RN 850547-41-0 CAPLUS  
CN Propanoic acid, 3-[ethyl[4-[(4-nitrophenyl)azo]phenyl]amino]-2-methyl-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)



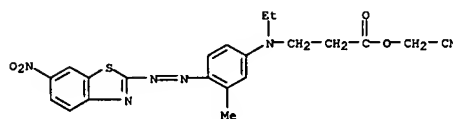
IT 850545-95-8P, 4-[(2,6-Dichloro-4-nitrophenylazo)-N-ethyl-N-(2-cyanomethoxycarbonyl)aniline  
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)  
(yellow brown dye; preparation of disperse azo dyestuffs for dyeing polyester fabrics)

RN 850545-95-8 CAPLUS  
CN β-Alanine, N-[4-[(2,6-dichloro-4-nitrophenyl)azo]phenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

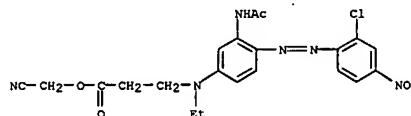


L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
(rubine dye; prepn. of disperse azo dyestuffs for dyeing polyester fabrics)

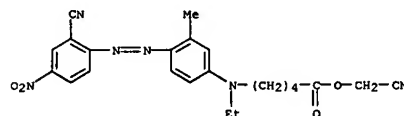
RN 850546-10-0 CAPLUS  
CN β-Alanine, N-ethyl-N-[3-methyl-4-[(6-nitro-2-benzothiazolyl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850546-69-9 CAPLUS  
CN β-Alanine, N-[3-(acetylamin)-4-[(2-chloro-4-nitrophenyl)azo]phenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850546-86-0 CAPLUS  
CN Pentanoic acid, 5-[[4-[(2-cyano-4-nitrophenyl)azo]-3-methylphenyl]ethylamino]-, cyanomethyl ester (9CI) (CA INDEX NAME)



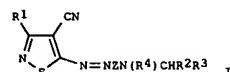
RN 850546-97-3 CAPLUS  
CN β-Alanine, N-[4-[(2-cyano-4-nitrophenyl)azo]-3-methylphenyl]-N-ethyl-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2000:31718 CAPLUS  
DOCUMENT NUMBER: 132:51147  
TITLE: Ink-jet inks and dyes based on 5-[(substituted aminoaryl)azo]-4-cyanoisothiazole derivatives  
INVENTOR(S): Bradbury, Roy; Moscrop, Clive; Meyrick, Barry Huston; Holbrook, Mark  
PATENT ASSIGNEE(S): Zeneca Limited, UK; ZSC Specialty Chemicals UK Limited; Avecia Limited  
SOURCE: Brit. UK Pat. Appl., 31 pp., 31 pp.  
CODEN: BAXXDU  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2335924	A	19991006	GB 1999-5746	19990312
GB 2335924	B	20030903		
US 6187084	B1	20010213	US 1999-277378	19990329
PRIORITY APPLN. INFO.:			GB 1998-6810	A 19980331

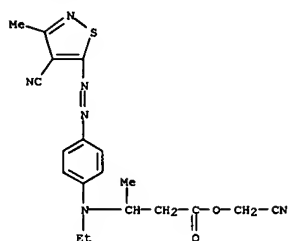
OTHER SOURCE(S): MARPAT 132:51147  
GRAPHIC IMAGE:



ABSTRACT:  
The azo dyes I (R1 = H, other substituent; R2, R3 = optionally substituted alkyl, aryl, aralkyl, or R2R3 together may form an optionally substituted ring; R4 = H, optionally substituted alkyl, aryl, aralkyl; Z = optionally substituted arylene) are obtained for use with aqueous jet-printing inks also containing a water-dissipatable polymer. The inks form sharp, fast-drying, wet-fast images and do not clog the printer. In an example, 5-amino-4-cyano-3-methylisothiazole-N-[2-(ethoxycarbonyl)-1-methylethyl]-N-ethylaniline (λmax 532 nm) was prepared and used in an ink.

IT 252899-37-9P  
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)  
(dye; production of isothiazole azo dyes for aqueous jet printing inks)  
RN 252899-37-9 CAPLUS  
CN Butanoic acid, 3-[[4-[(4-cyano-3-methyl-5-isothiazolyl)azo]phenyl]ethylamino]-, cyanomethyl ester (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

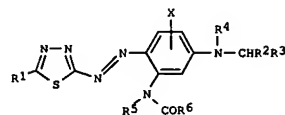


L4 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1999:640937 CAPLUS  
 DOCUMENT NUMBER: 131:273146  
 TITLE: 1,3,4-Thiadiazole azo dyes and ink compositions containing them  
 INVENTOR(S): Shawcross, Andrew Paul; Bradbury, Roy; Meyrick, Barry  
 PATENT ASSIGNEE(S): Avecia Ltd., UK  
 SOURCE: PCT Int. Appl., 36 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9950357	A1	19991007	WO 1999-GB772	19990315
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RW, GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9928460	A	19991018	AU 1999-28460	19990315
EP 1066341	A1	20010110	EP 1999-909090	19990315
EP 1066341	B1	20030618		
R: CH, DE, FR, GB, LI				
US 6461416	B1	20021008	US 2000-647463	20000929
PRIORITY APPLN. INFO.:				
			GB 1998-6809	A 19980331
			GB 1998-6812	A 19980331
			WO 1999-GB772	W 19990315

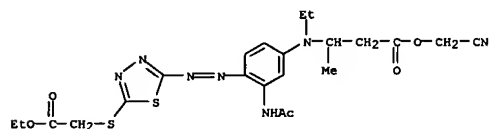
OTHER SOURCE(S): MARPAT 131:273146  
 GRAPHIC IMAGE:



ABSTRACT:  
 Azo dyes (I; R1, X = H or a substituent; R2, R3 = optionally substituted alkyl,

L4 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
 aryl, aralkyl, or R2R3 form an optionally substituted ring; R4 = H, optionally substituted alkyl, aryl or aralkyl; R5, R6 = optionally substituted alkyl, aryl, aralkyl) are incorporated into jet printing ink compns. The compns. contain such I, water, and a water-dissipatable polymer such as a polyester; the compns. do not clog jet printing nozzles and provide sharp images.  
 Examples of the synthesis of I (R1 = ethoxycarbonylmethylthio; R2 = R6 = Me; R3 = Et; R4 = Bu; R5 = X = H) as the dye and adipic acid-diethylene glycol-isophthalic acid-neopentyl glycol-5-(sodiumsulfo)isophthalic acid copolymer as the polyester are given.

IT 245405-70-3P  
 RL: IMP (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)  
 (dye; thiadiazole azo dyes for jet ink printing compns.)  
 RN 245405-70-3 CAPLUS  
 CN Butanoic acid,  
 3-[[3-(acetylamino)-4-[[5-[(2-ethoxy-2-oxoethyl)thio]-1,3,4-thiadiazol-2-yl]azophenyl]ethylamino]-, cyanomethyl ester (9CI) (CA INDEX NAME)



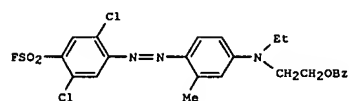
REFERENCE COUNT: 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE  
 FORMAT

L4 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1995:973502 CAPLUS  
 DOCUMENT NUMBER: 123:343359  
 TITLE: Monoazo dyes containing a fluorosulfonyl group and their use  
 INVENTOR(S): Hall, Nigel  
 PATENT ASSIGNEE(S): Zeneca Ltd., UK  
 SOURCE: PCT Int. Appl., 65 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9520014	A1	19950727	WO 1994-GB2831	19941230
W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, ES, FI, GB, GE, HU, JP, KE, KG, KP, KR, KZ, LK, LT, LU, LV, MD, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, TJ, TT, UA, US, UZ, VN				
RW: KE, MW, SD, SZ, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
IN 190551	A1	20030809	IN 1994-DE1700	19941228
CA 2180448	A1	19950727	CA 1994-2180448	19941230
AU 9513232	A	19950808	AU 1995-13232	19941230
EP 740690	A1	19961106	EP 1995-904633	19941230
EP 740690	B1	20010620		
R: DE, ES, GB, NL				
JP 09507693	T	19970805	JP 1995-519393	19941230
JP 3919214	B2	20070523		
ZA 9500311	A	19951128	ZA 1995-311	19950116
US 5739299	A	19980414	US 1996-676234	19960715
IN 2002DE00935	A	20050121	IN 2002-DE935	20020916
IN 2002DE00936	A	20050121	IN 2002-DE936	20020916
JP 2006052521	A	20060223	JP 2005-240356	20050822
PRIORITY APPLN. INFO.:				
			GB 1994-972	A 19940119
			GB 1994-4021	A 19940302
			GB 1994-21861	A 19941031
			IN 1994-DE1700	A3 19941228
			JP 1995-519393	A3 19941230
			WO 1994-GB2831	W 19941230

OTHER SOURCE(S): MARPAT 123:343359  
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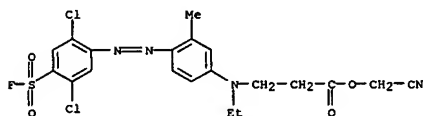


L4 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

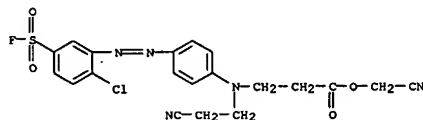
## ABSTRACT:

Disperse monoazo dyes AN:ND, where A and D are optionally substituted heterocyclic or carbocyclic groups and A and/or D carries directly  $\geq 1$  SO<sub>2</sub>F group or carries a substituent to which  $\geq 1$  SO<sub>2</sub>F group is attached, except for certain specified dyes previously known, were prepared and are used for coloring synthetic fiber textiles and for bulk dyeing of plastics. The presence of one or more SO<sub>2</sub>F groups in a dye mol. generally improves the properties of that dye and confers good wetfastness and lightfastness properties. Thus, 2,5-dichloro-4-(fluorosulfonyl)phenyl azo-3-methylphenyl-N-ethyl-, cyanomethyl ester was chlorosulfonated with ClSO<sub>3</sub>H, DMF, and SOCl<sub>2</sub>, and the sulfonyl chloride product was converted with KF to the sulfonyl fluoride, which was diazotized and coupled with 3-MeC<sub>6</sub>H<sub>4</sub>NETCH<sub>2</sub>CH<sub>2</sub>OBz to give I, bluish red on polyester fibers.

IT 171244-59-0P 171245-87-7P 171246-07-4P  
 RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)  
 (dye for polyester fibers)  
 RN 171244-59-0 CAPLUS  
 CN  $\beta$ -Alanine, N-[4-[(2,5-dichloro-4-(fluorosulfonyl)phenyl)azo]-3-methylphenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

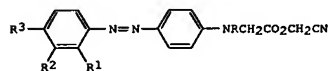


RN 171245-87-7 CAPLUS  
 CN  $\beta$ -Alanine, N-[4-[(2-chloro-5-(fluorosulfonyl)phenyl)azo]phenyl]-N-(2-cyanoethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 171246-07-4 CAPLUS  
 CN  $\beta$ -Alanine, N-[4-[(4-chloro-3-(fluorosulfonyl)phenyl)azo]phenyl]-N-(2-cyanoethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)

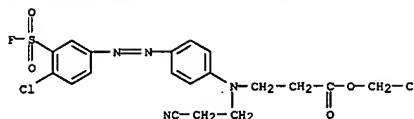
L4 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 1985:26342 CAPLUS  
 DOCUMENT NUMBER: 102:26342  
 TITLE: Synthesis and use of new, fiber-reactive dyes suitable for transfer-printing nylon  
 AUTHOR(S): Borovas, Demetrios V.  
 CORPORATE SOURCE: Res. Dev. Dep., VIOCHROM S. A., Athens, Greece  
 SOURCE: Chimika Chronika (1983), 12(3), 155-60  
 CODEN: CMCRCZ; ISSN: 0366-693X  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 GRAPHIC IMAGE:



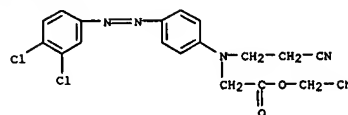
ABSTRACT:  
 Yellow to red I (R = CH<sub>2</sub>CH<sub>2</sub>CN, Me; R<sup>1</sup>, R<sup>2</sup> = H, Cl; R<sup>3</sup> = Cl, NO<sub>2</sub>) and blue II (R<sup>4</sup> = H, Me) were synthesized and tested as reactive dyes for transfer printing of nylon 66. Bright shades were obtained when printing paper impregnated with the dyes was pressed on nylon for 45 s at 200°, but an addnl. dry-heat fixing step for 52 min at 180° was required to cause the dyes to react with the substrate. The dyes colored but did not react with acrylic or polyester substrates.

IT 94194-65-7P 94194-66-8P 94194-67-9P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation and transfer printing properties of, as reactive dye on nylon)  
 RN 94194-65-7 CAPLUS  
 CN Glycine, N-(2-cyanoethyl)-N-[4-[(3,4-dichlorophenyl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

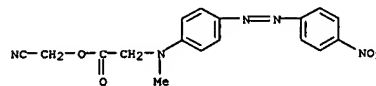
L4 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



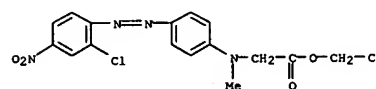
L4 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 94194-66-8 CAPLUS  
 CN Glycine, N-methyl-N-[4-[(4-nitrophenyl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)



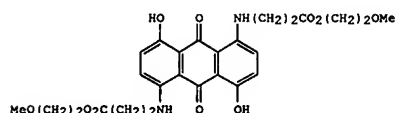
RN 94194-67-9 CAPLUS  
 CN Glycine, N-[4-[(2-chloro-4-nitrophenyl)azo]phenyl]-N-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



L4 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 1980:60263 CAPLUS  
 DOCUMENT NUMBER: 92:60263  
 TITLE: Process for preparing fast dyeings and prints on cellulosic fiber materials and mixtures thereof with synthetic fibers  
 INVENTOR(S): Reinhardt, Friedrich  
 PATENT ASSIGNEE(S): Hoechst A.-G., Fed. Rep. Ger.  
 SOURCE: Brit. UK Pat. Appl., 6 pp.  
 CODEN: BAXXDU  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2011483	A	19790711	GB 1978-49875	19781222
GB 2011483	B	19820818		
DE 2811167	A1	19790920	DE 1978-2811167	19780315
DE 2811167	C2	19851010		
FR 2413497	A1	19790727	FR 1978-36467	19781227
FR 2413497	B1	19830211		
JP 54096186	A	19790730	JP 1978-160222	19781227
US 4224026	A	19800923	US 1978-973603	19781227
PRIORITY APPLN. INFO.:			DE 1977-2758579	A 19771229
			DE 1978-2811167	A 19780315

GRAPHIC IMAGE:



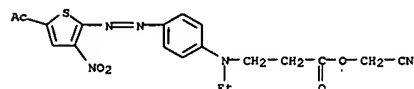
ABSTRACT:  
 The title process involves contacting the textiles with an aqueous composition containing a disperse dye containing ≥1 carboxylate group and fixing the color by steaming and/or dry heat in the presence of a composition containing ≥1 aliphatic OH and/or NH<sub>2</sub> group. Thus, a dispersion of 80 g disperse dye (I) [68479-79-8] in 10 g 32.5% aqueous NaOH and 150 g water was added to 5% aqueous locust bean flour carboxymethyl ether 50, HOCH<sub>2</sub>(CH<sub>2</sub>CHOH)2Me [7327-66-4] 50, di-Et tartrate 120, and water 90 g and the paste was printed onto cotton fabric, treated 8 min at 170° with superheated steam, rinsed, treated 10 min at 95° with 1 g/L nonylphenol polyglycol ether, rinsed, and dried giving a fast blue print.

L4 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 1974:493024 CAPLUS  
 DOCUMENT NUMBER: 81:93024  
 TITLE: Disperse monoazo dyes  
 INVENTOR(S): Costello, Alan T., Smith, Peter  
 PATENT ASSIGNEE(S): Imperial Chemical Industries Ltd.  
 SOURCE: Brit., 5 pp.  
 CODEN: BRXXAA  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

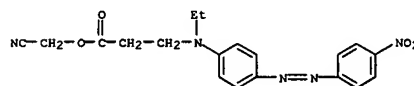
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 1351381	A	19740424	GB 1971-1216	19710111
BE 777733	A1	19720705	BE 1972-112581	19720105
CH 567547	A5	19751015	CH 1972-191	19720106
FR 2121705	A5	19720825	FR 1972-627	19720110
FR 2121705	B1	19760723		
DE 2201112	A	19720803	DE 1972-2201112	19720111
DE 2201112	C2	19820923		
JP 55022515	B	19800617	JP 1972-5487	19720111
PRIORITY APPLN. INFO.:			GB 1971-1216	A 19710111

ABSTRACT:  
 2-Amino-3-nitro-k-acetylthiophene [1009-57-0] was diazo coupled with N-ethyl-N-[β-[(cyanomethoxy)carbonyl]ethyl]aniline [41314-02-7] to give azo dye (I) [41314-03-8], fast blue on aromatic polyester textiles.

IT 41314-03-8P  
 RL: IMF (Industrial manufacture); PREP (Preparation)  
 (preparation of)  
 RN 41314-03-8 CAPLUS  
 CN β-Alanine, N-[4-[(5-acetyl-3-nitro-2-thienyl)azo]phenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



L4 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
 IT 72595-16-5  
 RL: USES (Uses)  
 (dye, fixing of, to cellulosic textiles, by hexanetriol)  
 RN 72595-16-5 CAPLUS  
 CN β-Alanine, N-ethyl-N-[4-[(4-nitrophenyl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

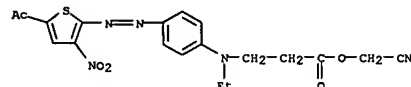


L4 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 1973:45029 CAPLUS  
 DOCUMENT NUMBER: 78:45029  
 TITLE: Disperse azo dyes  
 INVENTOR(S): Costello, Alan Thomas; Smith, Peter  
 PATENT ASSIGNEE(S): Imperial Chemical Industries Ltd.  
 SOURCE: Ger. Offen., 13 pp.  
 CODEN: GWXXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2201112	A	19720803	DE 1972-2201112	19720111
DE 2201112	C2	19820923		
GB 1351381	A	19740424	GB 1971-1216	19710111
PRIORITY APPLN. INFO.:			GB 1971-1216	A 19710111

ABSTRACT:  
 Two azo dyes [I, R = MeO, R1 = NHAc, R2 = CH<sub>2</sub>CH<sub>2</sub>OMe, R3 = H (II); and R = R1 = H, R2 = CH<sub>2</sub>CN, R3 = Et], bluish green or blue, resp., on "k"polyester fibers\*\*  
 were prepared Thus, coupling diazotized 2-amino-3-nitro-5-acetylthiophene with 2,5-MeO(AcNH)C<sub>6</sub>H<sub>3</sub>NHCH<sub>2</sub>CH<sub>2</sub>CO<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>OMe gave azo dye II [36985-60-1]. The other I was prepared similarly.

IT 41314-03-8P  
 RL: IMF (Industrial manufacture); PREP (Preparation)  
 (preparation of)  
 RN 41314-03-8 CAPLUS  
 CN β-Alanine, N-[4-[(5-acetyl-3-nitro-2-thienyl)azo]phenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



L4 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1964:91431 CAPLUS  
DOCUMENT NUMBER: 60:91431  
ORIGINAL REFERENCE NO.: 60:16021a-c  
TITLE: Azo dyes  
INVENTOR(S): Fishback, Brian R.; Wardleworth, James  
PATENT ASSIGNEE(S): Imperial Chemical Industries Ltd.  
SOURCE: 5 pp.  
DOCUMENT TYPE: Patent  
LANGUAGE: Unavailable  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3097198		19630709	US 1960-5378	19600129
GB 909843			GB	
PRIORITY APPLN. INFO.:			GB	19590210

GRAPHIC IMAGE: For diagram(s), see printed CA Issue.

**ABSTRACT:**

Compds. of the general formula I, where X is a benzene or benzothiazole nucleus, R is Et or CH<sub>2</sub>CH<sub>2</sub>OMe, and R' is a substituted alkyl group, are H<sub>2</sub>O-insol. dyes for cellulose acetates and polyesters. Thus, 2.62 parts of 4-OC<sub>2</sub>NH<sub>2</sub>CH<sub>2</sub>OMe was diazotized and coupled with 4.41 parts PhNETCH<sub>2</sub>CH<sub>2</sub>CO<sub>2</sub>CH<sub>2</sub>CN (II) to give I (X = 4-OC<sub>2</sub>NH<sub>2</sub>CH<sub>2</sub>OMe, R = Et, R' = CH<sub>2</sub>CN), a red powder, which, dispersed by milling with (NaO<sub>3</sub>CS<sub>10</sub>H<sub>16</sub>)<sub>2</sub>CH<sub>2</sub>, dyed polyester fibers scarlet. Similarly, other I were prepared (X, R, R', and shade given): 4-OC<sub>2</sub>NH<sub>2</sub>CH<sub>2</sub>CO<sub>2</sub>Et, Et, scarlet; 2,4-Cl(ON)<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CN, Et, red; 6-(methylsulfonyl)-2-benzothiazolyl, CH<sub>2</sub>CO<sub>2</sub>Et, Et, red; 2,4-NC(ON)<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CO<sub>2</sub>Me, Et, violet; 2,4-F<sub>3</sub>C(ON)<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CN, Et, bluish red; 5-nitro-2-benzothiazolyl, CH<sub>2</sub>CN, CH<sub>2</sub>CO<sub>2</sub>Me, reddish blue; 4-OC<sub>2</sub>NH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>OMe, Et, scarlet. II, b.p. 110°C/0.5 mm., was obtained by reacting PhNETCH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>OH and ClC≡N for 1 hr. at 90-100°, extracting with AcOEt, clarifying, extracting with 10% aqueous NaHCO<sub>3</sub>, drying over MgSO<sub>4</sub>, evaporating the solvent, and distilling the residue. The other coupling components were obtained by similar methods.

IT 94308-22-2P,  $\beta$ -Alanine, N-[3-chloro-4-[(2-chloro-4-cyanophenyl)azophenyl]-N-methyl-, ester with glycylonitrile  
95128-33-9P,  $\beta$ -Alanine, N-[p-(2-chloro-4-nitrophenyl)azophenyl]-N-(2-cyanoethyl)-, ester with glycylonitrile  
95318-56-2P,  $\beta$ -Alanine, N-[p-(2-chloro-4-nitrophenyl)azophenyl]-N-ethyl-, ester with glycylonitrile  
95345-62-1P,  $\beta$ -Alanine, N-[2-methoxy-5-[(4-{5-nitro-2-thiazolyl}azophenyl)-m-tolyl]-, ester with glycylonitrile  
RL: PREP. [Preparation]

RN 94308-22-2 CAPLUS  
CN  $\beta$ -Alanine, N-[3-chloro-4-[(2-chloro-4-cyanophenyl)azolphenyl]-N-methyl-, ester with glycolonitrile (7CI) (CA INDEX NAME)

L4 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1964:53170 CAPLUS  
DOCUMENT NUMBER: 60:53170  
ORIGINAL REFERENCE NO.: 60:9394c-f  
TITLE: Monoazo dyes containing ester groups  
INVENTOR(S): Fishwick, Brian Ribbons; Wardleworth, James  
PATENT ASSIGNEE(S): Imperial Chemical Industries Ltd.  
SOURCE: 10 pp.  
DOCUMENT TYPE: Patent  
LANGUAGE: Unavailable  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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GB 909843		19621107	GB 1959-4687	19590210
PRIORITY APPL. INFO.:			GB	19590210

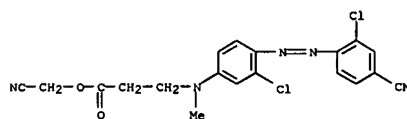
GRAPHIC IMAGE: For diagram(s), see printed CA Issue.

**ABSTRACT:**

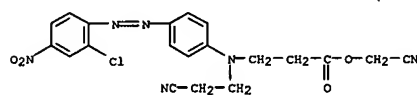
4-02NC6H4N: compounds of the general structure I dye polyester fibers (II) orange to blue shades fast to light, washing, and dry heat. D is a mono- or bicyclic aromatic nucleus, and D and the nucleus E may be substituted with groups other than SO<sub>3</sub>H and CO<sub>2</sub>H. R is Et or CH<sub>2</sub>CH<sub>2</sub>OMe; A is CH<sub>2</sub> or CH<sub>2</sub>CH<sub>2</sub>; and X is CN, CO<sub>2</sub>Et, Ac, NH<sub>2</sub>, or NHAc. Thus, a filtered solution containing diazotized p-O<sub>2</sub>CNC<sub>6</sub>H<sub>4</sub>NH<sub>2</sub> 2.62 added over 15 min. to a mixture of PhN(Et)CH<sub>2</sub>CH<sub>2</sub>CO<sub>2</sub>CH<sub>2</sub>CN (Ib) 1.45-5.0\*, 4.1, H<sub>2</sub>O 5.0, 10N HCl<sub>3</sub>, and Me<sub>2</sub>CO 50 parts, forms a clear solution at 5-10°; saturated NaOAc is added, the mixture stirred 30 min. and filtered. The precipitate is filtered in 300 parts H<sub>2</sub>O, Na<sub>2</sub>CO<sub>3</sub> added, the mixture filtered, and the product washed with water and dried, yielding 4-O<sub>2</sub>CNC<sub>6</sub>H<sub>4</sub>N: NC<sub>6</sub>H<sub>4</sub>[N(Et)CH<sub>2</sub>CH<sub>2</sub>CO<sub>2</sub>CH<sub>2</sub>CN]-4, a red powder, bright scarlet on II. Also prepared are (dye), appearance, shade on II):  
 4-02NC<sub>6</sub>H<sub>4</sub>N: NC<sub>6</sub>H<sub>4</sub>[N(Et)CH<sub>2</sub>CH<sub>2</sub>CO<sub>2</sub>-CH<sub>2</sub>CO<sub>2</sub>(CN)-4], red powder, bright scarlet; 2,4-C(=O)(O<sub>2</sub>N)C<sub>6</sub>H<sub>3</sub>N:-NC<sub>6</sub>H<sub>4</sub>[N(Et)CH<sub>2</sub>CH<sub>2</sub>CO<sub>2</sub>CH<sub>2</sub>CN]-4, red powder, red; 2-[4-(N-ethyl-N-β[(carbethoxymethoxy)carbonyl] ethyl) amino] phenyl-azo]-6-(methylausfonyl)benzothiazole, --, bright red; 2,4-NC-(O<sub>2</sub>N)C<sub>6</sub>H<sub>3</sub>N: NC<sub>6</sub>H<sub>4</sub>[N(Et)CH<sub>2</sub>CH<sub>2</sub>CO<sub>2</sub>CH<sub>2</sub>CN]-4, --, reddish violet; 2,4-F<sub>3</sub>C-(O<sub>2</sub>N)C<sub>6</sub>H<sub>3</sub>N: NC<sub>6</sub>H<sub>4</sub>[N(Et)CH<sub>2</sub>CH<sub>2</sub>CO<sub>2</sub>CH<sub>2</sub>CN]-4, --, bluish red; 2-methyl-5-phenyl-1-β[(cyanomethoxycarbonyl)ethyl]amino]phenylazo]-5-nitrothiazole, --, reddish blue; 4-02NC<sub>6</sub>H<sub>4</sub>N: NC<sub>6</sub>H<sub>4</sub>[N(Et)CH<sub>2</sub>CH<sub>2</sub>CO<sub>2</sub>CH<sub>2</sub>CNHNH<sub>2</sub>]-4, --, scarlet; and 4-02NC<sub>6</sub>H<sub>4</sub>N: NC<sub>6</sub>H<sub>4</sub>[N(Et)CH<sub>2</sub>CH<sub>2</sub>CO<sub>2</sub>CH<sub>2</sub>CNHNAC]-4, --, scarlet.

IT	1959-20-2P, $\beta$ -Alanine, N-ethyl-N-[p-( $\alpha,\alpha$ -trifluoro-4-nitro-o-tolyl)azophenyl]-, ester with glycolonitrile 95318-56-2P, $\beta$ -Alanine, N-[p-(2-chloro-4-nitrophenyl)azophenyl]-N-ethyl-, ester with glycolonitrile 95365-62-1P, $\beta$ -Alanine, N-(2-methoxyethyl)-N-[4-[(5-nitro-2-thiazolyl)azo]-m-tolyl]-, ester with glycolonitrile RL: PREP (Preparation) (Preparation of)
RN	1959-20-2 CAPLUS
CN	$\beta$ -Alanine, N-ethyl-N-[p-( $\alpha,\alpha$ -trifluoro-4-nitro-o-tolyl)azophenyl]-, ester with glycolonitrile (7CI, 8CI) (CA INDEX NAME)

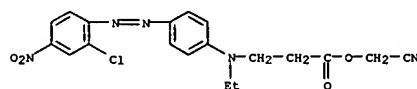
L4 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



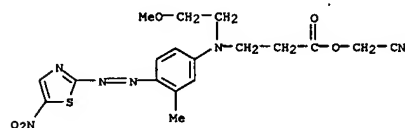
RN 95128-33-9 CAPLUS  
CN  $\beta$ -Alanine, N-[p-((2-chloro-4-nitrophenyl)azo)phenyl]-N-(2-cyanoethyl)-  
, ester with glycolonitrile (7CI) (CA INDEX NAME)



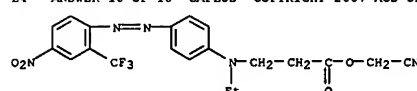
RN 95318-56-2 CAPLUS  
CN  $\beta$ -Alanine, N-[p-[(2-chloro-4-nitrophenyl)azo]phenyl]-N-ethyl-, ester  
with glycolonitrile (7CI) (CA INDEX NAME)



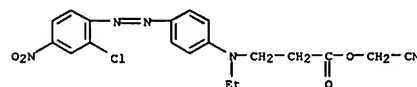
RN 95365-62-1 CAPLUS  
CN  $\beta$ -Alanine, N-(2-methoxyethyl)-N-[4-[(5-nitro-2-thiazolyl)azo]-m-  
tolyl]-, ester with glycolonitrile (7CI) (CA INDEX NAME)



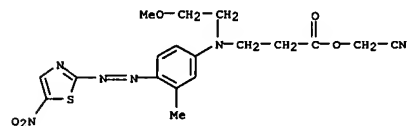
L4 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 95318-56-2 CAPLUS  
CN  $\beta$ -Alanine, N-[p-((2-chloro-4-nitrophenyl)azo)phenyl]-N-ethyl-, ester  
with glycolonitrile (7CI) (CA INDEX NAME)



RN 95365-62-1 CAPLUS  
CN  $\beta$ -Alanine, N-(2-methoxyethyl)-N-[4-[(5-nitro-2-thiazolyl)azo]-m-  
tolyl]-, ester with glycolonitrile (7CI) (CA INDEX NAME)



=> fil caol  
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FILE COVERS 1907-1966  
FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

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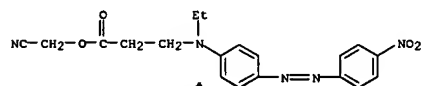
=> s l3  
L5 3 L3  
  
=> d 1-3 all hitstr

L5 ANSWER 1 OF 3 CAOLD COPYRIGHT 2007 ACS on STN  
 AN CA60:16021a CAOLD  
 TI azo dyes  
 AU Fishwick, Brian R.; Wardleworth, J.  
 DT Patent  
 TI dyes (azo)  
 PA Imperial Chemical Industries Ltd.  
 DT Patent

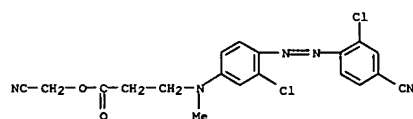
PATENT NO. KIND DATE

PI US 3097198 1963  
 GB 909843  
 IT 41314-02-7 72595-16-5 94308-22-2  
 95128-33-9 95318-56-2 95365-62-1  
 100001-77-2 100086-78-0 103480-69-9  
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 95318-56-2 95365-62-1

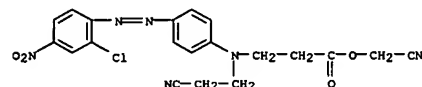
RN 72595-16-5 CAOLD  
 CN  $\beta$ -Alanine, N-ethyl-N-[4-[(4-nitrophenyl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)



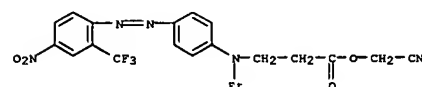
RN 94308-22-2 CAOLD  
 CN  $\beta$ -Alanine, N-[3-chloro-4-[(2-chloro-4-cyanophenyl)azo]phenyl]-N-methyl-, ester with glycolonitrile (7CI) (CA INDEX NAME)



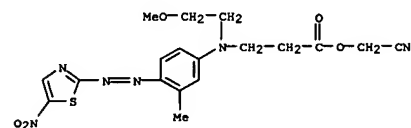
RN 95128-33-9 CAOLD  
 CN  $\beta$ -Alanine, N-[p-[(2-chloro-4-nitrophenyl)azo]phenyl]-N-(2-cyanoethyl)-, ester with glycolonitrile (7CI) (CA INDEX NAME)



L5 ANSWER 2 OF 3 CAOLD COPYRIGHT 2007 ACS on STN  
 AN CA60:9394f CAOLD  
 TI dyes (thiadiazole mono- and disazo)  
 AU Badische Anilin- & Soda-Fabrik A.-G.  
 DT Patent  
 IT 1959-20-2 94328-84-4 94961-87-2 95365-62-1  
 100086-78-0  
 IT 1959-20-2 95365-62-1  
 RN 1959-20-2 CAOLD  
 CN  $\beta$ -Alanine, N-ethyl-N-[p-[( $\alpha,\alpha,\alpha$ -trifluoro-4-nitro-o-tolyl)azo]phenyl]-, ester with glycolonitrile (7CI, 8CI) (CA INDEX NAME)

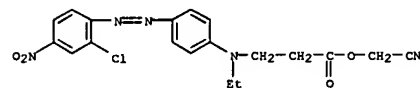


RN 95365-62-1 CAOLD  
 CN  $\beta$ -Alanine, N-(2-methoxyethyl)-N-[4-[(5-nitro-2-thiazolyl)azo]-m-tolyl]-, ester with glycolonitrile (7CI) (CA INDEX NAME)

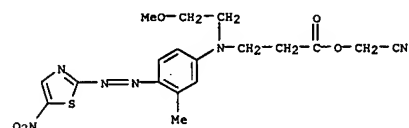


L5 ANSWER 1 OF 3 CAOLD COPYRIGHT 2007 ACS on STN (Continued)

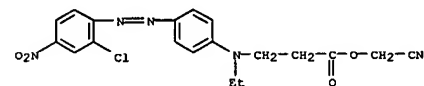
RN 95318-56-2 CAOLD  
 CN  $\beta$ -Alanine, N-[p-[(2-chloro-4-nitrophenyl)azo]phenyl]-N-ethyl-, ester with glycolonitrile (7CI) (CA INDEX NAME)



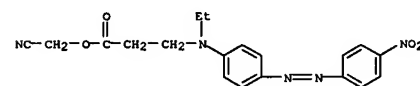
RN 95365-62-1 CAOLD  
 CN  $\beta$ -Alanine, N-(2-methoxyethyl)-N-[4-[(5-nitro-2-thiazolyl)azo]-m-tolyl]-, ester with glycolonitrile (7CI) (CA INDEX NAME)



L5 ANSWER 3 OF 3 CAOLD COPYRIGHT 2007 ACS on STN  
 AN CA60:9394d CAOLD  
 TI monoazo dyes containing ester groups  
 AU Fishwick, Brian R.; Wardleworth, J.  
 DT Patent  
 PATENT NO. KIND DATE  
 PI GB 909843  
 IT 95318-56-2 100001-77-2 103480-69-9 72595-16-5  
 IT 95318-56-2 72595-16-5  
 RN 95318-56-2 CAOLD  
 CN  $\beta$ -Alanine, N-[p-[(2-chloro-4-nitrophenyl)azo]phenyl]-N-ethyl-, ester with glycolonitrile (7CI) (CA INDEX NAME)



RN 72595-16-5 CAOLD  
 CN  $\beta$ -Alanine, N-ethyl-N-[4-[(4-nitrophenyl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)





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FILE COVERS 1907 - 30 May 2007 VOL 146 ISS 23  
FILE LAST UPDATED: 29 May 2007 (20070529/ED)

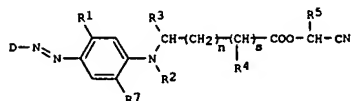
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L6 53 SEA FILE=CAPLUS ABB=ON PLU=ON ("HALL NIGEL"/AU OR "HALL  
NIGEL. F"/AU OR "HALL. NIGEL. P"/AU OR "HALL. NIGEL. R"/AU)

L8 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 2005:3899 CAPLUS  
 DN 142:412927  
 TI Disperse azo dyestuffs, a process for their  
 preparation and their use  
 IN Hall, Nigel  
 PA Dystar Textilfarben G.m.b.H. & Co. Deutschland K.-G., Germany  
 SO PCT Int. Appl., 40 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005040283	A2	20050506	WO 2004-EP11590	20041015
WO 2005040283	A3	20050630		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NA, NI, NO, NL, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2543056	A1	20050506	CA 2004-2543056	20041015
EP 1678239	A2	20060712	EP 2004-790444	20041015
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
CN 1871306	A	20061129	CN 2004-8003095	20041015
BR 2004015469	A	20061219	BR 2004-15469	20041015
JP 2007509214	T	20070412	JP 2006-536010	20041015
IN 2006KN00339	A	20070316	IN 2006-KN339	20060216
US 2007050928	A1	20070308	US 2006-575599	20060413
PRAI GB 2003-24584	A	20031021		
WO 2004-EP11590	W	20041015		
OS CASREACT 142:412927; MARPAT 142:412927				
GI				



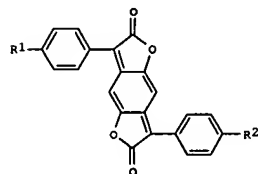
AB The present invention claims dyestuffs of formula (I), wherein D is substituted Ph, substituted benzothiazolyl, 5-nitro-2,1-benzothiazolyl,

L8 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
 substituted thiophenyl, substituted 5-nitrothiazolyl; R1 is H, (C1-C4)-alkyl or -NCOR6, where R6 is (C1-C4)-alkyl or phenyl; R2 is unsubstituted (C1-C6)-alkyl, substituted (C1-C6)-alkyl, benzyl or phenylethyl; R3 is H or Me; R4 is H or Me; R5 is H, Me or Ph; R7 is H, Cl, methoxy or ethoxy; n is 0, 1 or 2; s is 0 or 1. Thus, 4-

(4-nitrophenylazo)-3-methyl-N-ethyl-N-(2-cyanomethoxycarbonyl)aniline was synthesized and showed  $\lambda_{max}$  486 nm and red shade with excellent wet and light fastness properties when applied to polyester fabrics.

L8 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 2004:100282 CAPLUS  
 DN 140:147645  
 TI Non-azo disperse dye mixtures, their production and their use  
 IN Brierley, David; Leaver, Alan T.; Hall, Nigel; Cunningham, Alan  
 PA Dystar Textilfarben GmbH & Co. Deutschland KG, Germany  
 SO U.S. Pat. Appl. Publ., 6 pp.  
 CODEN: USXXCO  
 DT Patent  
 LA English  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004019983	A1	20040205	US 2003-627827	20030724
US 7118604	B2	20061010		
IN 2003KO00312	A	20050204	IN 2003-KO312	20030604
EP 1394218	A1	20040303	EP 2003-16770	20030723
EP 1394218	B1	20060927		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CA 2436033	A1	20040129	CA 2003-2436033	20030728
JP 2004137461	A	20040513	JP 2003-202625	20030728
BR 2003002533	A	20040824	BR 2003-2533	20030728
KR 2004012521	A	20040211	KR 2003-52361	20030729
CN 1483765	A	20040324	CN 2003-133144	20030729
PRAI GB 2002-17487	A	20020729		
OS MARPAT 140:147645				
GI				



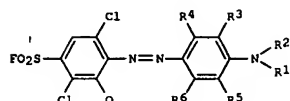
AB The invention refers to dye mixts. comprising 1-amino-2-(4-fluorosulfonylphenoxy)-4-hydroxyanthraquinone and one or more of I (R1, R2 = H, optionally substituted alkoxy or alkenyloxy), a method for the preparation of such mixts., and a method for coloring a synthetic textile material or fiber blend thereof using such mixts. The disperse dye mixts. provide improved fastness properties on polyester and its blends. In an example, a mixture containing the anthraquinone dye, I (R1 = H, R2 = OCH2CO2CH2CH2OEt), I (R1 = PrO, R2 = OCH2CO2CH2CH2OEt), and I (R1 = PrO, R2 = H) was applied for the exhaust dyeing of polyester to provide a bluish red shade.

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD

L8 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 1997:542489 CAPLUS  
 DN 127:206930  
 TI Monoazo dyes containing a fluorosulfonyl group, their preparation and their use  
 IN Hall, Nigel  
 PA Zeneca Ltd., UK; Hall, Nigel  
 SO PCT Int. Appl., 11 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9729155	A1	19970814	WO 1996-GB3094	19961216
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9711823	A	19970828	AU 1997-11823	19961216
EP 888405	A1	19990107	EP 1996-942454	19961216
EP 888405	B1	20000426		
R: CH, DE, GB, IT, LI, PT				
CN 1214065	A	19990414	CN 1996-180204	19961216
CN 1083864	B	20020501		
BR 9612491	A	19990720	BR 1996-12491	19961216
JP 20000505832	T	20000516	JP 1997-528251	19961216
PT 888405	T	20000831	PT 1996-942454	19961216
US 6048370	A	20000411	US 1998-125021	19980824
PRAI GB 1996-2741	A	19960210		
WO 1996-GB3094	W	19961216		
OS MARPAT 127:206930				
GI				

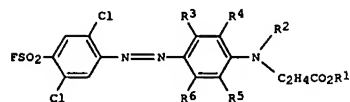


AB Disperse dyes I (Q = Br, Cl; R1, R2 = H, optionally substituted Cl-6-alkyl, aryl; R3, R4, R5, R6 = H, F, Cl, Br, I, SO2F, optionally substituted Cl-6-alkyl, Cl-6-alkoxy, Cl-4-alkanoylamino, alkylsulfonamido, NHCOC1-4-alkyl and OPh) are obtained by coupling diazotized 6-bromo-2,5-dichloro-4-(fluorosulfonyl)aniline (II) or 2,3,6-trichloro-4-(fluorosulfonyl)aniline with the appropriate aniline derivative. The dyes can be employed for the coloring of synthetic textile

L8 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
 material. Thus, 2,5-dichloro-4-(fluorosulfonyl)aniline was brominated to give II which was diazotized and coupled with PhNet2 to provide a dye ( $\lambda_{max}$  452 nm), fast yellow brown on polyester.

L8 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 1997:513667 CAPLUS  
 DN 127:177699  
 TI Disperse monoazo dyes containing a fluorosulfonyl group, their manufacture and use  
 IN Hall, Nigel  
 PA Zeneca Ltd., UK; Hall, Nigel  
 SO PCT Int. Appl., 9 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9727247	A1	19970731	WO 1996-GB3093	19961216
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9711822	A	19970820	AU 1997-11822	19961216
EP 876429	A1	19981111	EP 1996-942453	19961216
EP 876429	B1	20000503		
R: CH, DE, GB, IT, LI, PT				
CN 1209151	A	19990224	CN 1996-180121	19961216
CN 1084768	B	20020515		
JP 20000504046	T	20000404	JP 1997-526624	19961216
PT 876429	T	20000831	PT 1996-942453	19961216
BR 9612760	A	20010109	BR 1996-12760	19961216
US 5998592	A	19991207	US 1998-117034	19980817
PRAI GB 1996-1644	A	19960126		
GB 1996-7599	A	19960412		
WO 1996-GB3093	W	19961216		
OS MARPAT 127:177699				
GI				



AB The dyes have the structure I (R1 = C3H6CN, C2H4Cl, C3H6Cl, C2H4OAc, C2H4O2CCH2Cl; R2, R3 = Cl-6 alkyl; R4-R6 = H, F, Cl, Br, I, SO2F, nonionic organic group). The dyes can be employed for the coloring of synthetic textile material. Thus, 4,2,5-H2NC6H2Cl2SO2F was diazotized and coupled with 3-MeC6H4NCH2CH2CO2(CH2)3CN to give I (R1 = (CH2)3CN, R2 = Et, R3 = Me, R4-R6 = H,  $\lambda_{max}$  in CH2Cl2 515 nm, bluish red on polyester fibers with better fastness than the homolog with R1 = CH2CH2CN.

L8 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 1995:994513 CAPLUS  
 DN 124:32006  
 TI Process for coloring synthetic textile materials or plastics  
 IN Hall, Nigel  
 PA Zeneca Ltd., UK  
 SO PCT Int. Appl., 28 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9523890	A1	19950908	WO 1995-GB160	19950127
W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, TJ, TT, UA, US				
RW: KE, MW, SD, SZ, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
CA 2181817	A1	19950908	CA 1995-2181817	19950127
AU 9514634	A	19950918	AU 1995-14634	19950127
EP 748411	A1	19961218	EP 1995-906440	19950127
EP 748411	B1	19981028		
R: DE, ES, GB, NL				
JP 09509702	T	19970930	JP 1995-522741	19950127
ZA 9500930	A	19951214	ZA 1995-930	19950206
US 5759212	A	19980602	US 1996-693290	19960815
TW 518357	B	20030121	TW 1997-86100561	19970120
IN 190717	A1	20030816	IN 1995-DE1	20030816
PRAI GB 1994-4020	A	19940302		
WO 1995-GB160	W	19950127		
OS MARPAT 124:32006				

AB To a synthetic textile material or fiber blend is applied a dye which is free from water-solubilizing groups and bears  $\geq 1$  SO2F group, provided that the dye is not an azo or anthraquinone dye. These dyes are also used for mass coloration of plastics.

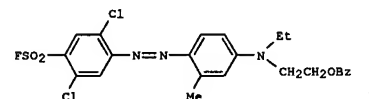
L8 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 1995:98407 CAPLUS  
 DN 124:31988  
 TI Diazo dyes containing a fluorosulfonyl group and their use in coloring  
 IN James, Mark Robert; Hall, Nigel  
 PA Zeneca Ltd., UK  
 SO PCT Int. Appl., 23 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9522649	A1	19950824	WO 1995-GB127	19950124
W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, TJ, TT, UA, US				
RW: KE, MW, SD, SZ, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
CA 2180850	A1	19950824	CA 1995-2180850	19950124
AU 9514608	A	19950904	AU 1995-14608	19950124
EP 745153	A1	19961204	EP 1995-906408	19950124
EP 745153	B1	19980930		
R: DE, ES, GB, NL				
JP 09508939	T	19970909	JP 1995-521644	19950124
JP 3893150	B2	20070314		
IN 191001	A1	20030913	IN 1995-DE113	19950127
ZA 9500885	A	19960613	ZA 1995-885	19950203
US 5782934	A	19980721	US 1996-687611	19960808
PRAI GB 1994-3133	A	19940218		
WO 1995-GB127	W	19950124		

OS MARPAT 124:31988  
 AB A synthetic textile material or fiber blend thereof is colored by applying  
 a compound of formula A-N-D-N-E, where each of A, D, and E is an optionally substituted heterocyclic or carbocyclic group and  
 z1 of A, D, and E carries directly z1 SO<sub>2</sub>F group or carries a substituent to which z1 SO<sub>2</sub>F group is attached. A process for the mass coloration of plastics comprises incorporating a compound of the formula above or a mixture thereof, which is free from water-solubilizing groups.

L8 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 1995:973502 CAPLUS  
 DN 123:343359  
 TI Monoazo dyes containing a fluorosulfonyl group and their use  
 IN Hall, Nigel  
 PA Zeneca Ltd., UK  
 SO PCT Int. Appl., 65 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9520014	A1	19950727	WO 1994-GB2831	19941230
W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, ES, FI, GB, GE, HU, JP, KE, KG, KP, KR, KZ, LK, LT, LU, LV, MD, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, TJ, TT, UA, US, UZ				
RW: KE, MW, SD, SZ, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
IN 190551	A1	20030809	IN 1994-DE1700	19941228
CA 2180448	A1	19950727	CA 1994-2180448	19941230
AU 9513232	A	19950808	AU 1995-13232	19941230
EP 740690	A1	19961106	EP 1995-904633	19941230
EP 740690	B1	20010620		
R: DE, ES, GB, NL				
JP 09507693	T	19970805	JP 1995-519393	19941230
JP 3919214	B2	20070523		
ZA 9500311	A	19951128	ZA 1995-311	19950116
US 5739299	A	19980414	US 1996-676234	19960715
IN 2002DE00935	A	20050121	IN 2002-DE935	20020916
IN 2002DE00936	A	20050121	IN 2002-DE936	20020916
JP 2006052521	A	20060223	JP 2005-240356	20050822
PRAI GB 1994-972	A	19940119		
GB 1994-4021	A	19940302		
GB 1994-21861	A	19941031		
IN 1994-DE1700	A3	19941228		
JP 1995-519393	A3	19941230		
WO 1994-GB2831	W	19941230		
OS MARPAT 123:343359				
GI				

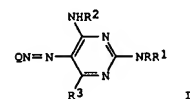


AB Disperse monoazo dyes AN:ND, where A and D are optionally substituted heterocyclic or carbocyclic groups and A and/or D carries directly z1 SO<sub>2</sub>F group or carries a substituent to which z1

L8 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
 AN 1984:35841 CAPLUS  
 DN 100:35841  
 TI Disperse azo dyes  
 IN Parcon, Brian; Hall, Nigel  
 PA Imperial Chemical Industries PLC, UK  
 SO Brit. UK Pat. Appl., 8 pp.  
 CODEN: BAXXDU  
 DT Patent  
 LA English  
 FAN.CNT 1

PI GB 2116195  
 PRAI GB 1982-6316  
 OS MARPAT 100:35841  
 GI

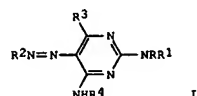
L8 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 1984:35841 CAPLUS  
 DN 100:35841  
 TI Disperse azo dyes  
 IN Parcon, Brian; Hall, Nigel  
 PA Imperial Chemical Industries PLC, UK  
 SO Brit. UK Pat. Appl., 8 pp.  
 CODEN: BAXXDU  
 DT Patent  
 LA English  
 FAN.CNT 1



AB Golden yellow to red dyes (I) for polyester fibers are prepared, where Q =  
 radical of a diazotizable amine QNH<sub>2</sub>; R = H or optionally substituted hydrocarbyl; R1 and R2 = H, optionally substituted hydrocarbyl or acyl; and R3 = H, NHR4, SR5, OR6, halogen, or optionally substituted hydrocarbyl (R4, R5, R6 = H, optionally substituted hydrocarbyl). Thus, diazotization of 4-nitroaniline [100-01-6] and coupling with 4-(acetylamino)-6-chloro-2-(diethylamino)pyrimidine [88380-63-6] gave I (R = R1 = Et, R2 = Ac, R3 = Cl, Q = 4-O<sub>2</sub>NC<sub>6</sub>H<sub>4</sub>) [88380-62-5], a golden yellow dye. Ten other I were similarly prepared

L8 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 1984:23554 CAPLUS  
 DN 100:23554  
 TI Coloration of hydrophobic fibers  
 IN Parton, Brian; Hall, Nigel; Leng, John Lindley; Harvey, Edwin  
 Dennis; Quayle, Arthur  
 PA Imperial Chemical Industries PLC, UK  
 SO Brit. UK Pat. Appl., 7 pp.  
 CODEN: BAXXDU  
 DT Patent  
 LA English  
 FAN.CNT 1

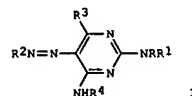
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	GB 2115016	A	19830901	GB 1982-33024	19821119
PRAI	GB 1982-4570	A	19820217		
OS	MARPAT 100:23554				
GI					



AB Hydrophobic fibers, particularly aromatic polyester fibers, were dyed by applying disperse dyes I (R, R1, R4 are independently H or optionally substituted hydrocarbyl or R and R1 together with N represents a heterocyclic ring; R2 = radical of a diazotizable amine; R3 = halogen) and heating to effect fixation. Thus, 1.73 parts 2-chloro-4-nitroaniline [121-87-9] was suspended in 12 parts 2N HCl and 20 parts water at 0-5° and diazotized by 1.2 parts 5N aqueous NaNO2 and added to a solution consisting of 4-chloro-2-N,N-diethylamino-6-(2-hydroxyethylamino)pyrimidine [88290-69-1] 2.45, acetone 15, and water 50 parts at 0-5°. The mixture was treated with NaOAc to adjust the pH to 4 and stirred 18 h to give a precipitated dye [88290-42-0] with λmax (CHCl3) 449 nm and εmax 38,300. When applied to an aromatic polyester textile from an aqueous dispersion a bright orange dyeing was obtained with excellent fastness to washing, light, and changes in pH.

L8 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 1984:23553 CAPLUS  
 DN 100:23553  
 TI Disperse dyeing of hydrophobic textiles  
 IN Parton, Brian; Hall, Nigel; Leng, John Lindley; Harvey, Edwin  
 Dennis; Quayle, Arthur  
 PA Imperial Chemical Industries PLC, UK  
 SO Brit. UK Pat. Appl., 10 pp.  
 CODEN: BAXXDU  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	GB 2115445	A	19830907	GB 1982-33023	19821119
PRAI	GB 1982-4571	A	19820217		
OS	MARPAT 100:23553				
GI					



AB Disperse dyes I (R and R1 are optionally substituted hydrocarbyl or together with N represent a heterocyclic ring; R2 = radical of a diazotizable amine; R3 = NHR6, SR5; R4, R5, R6 = H, optionally substituted hydrocarbyl) were prepared and used to dye hydrophobic fibers, particularly polyester fibers. Thus, 2-chloro-4-nitroaniline [121-87-9] (1.73 g) suspended in 10 g 2N HCl and 35 g water at 0-5° was diazotized by 1.2 g 5N aqueous NaNO2 and added to a solution containing 2-N,N-diethylamino-4,6-bis(2-hydroxyethylamino)pyrimidine [88291-13-8] 2.9, acetone 20, and water 50 g at 0-5°. The pH as a mixture was adjusted to 4 by addition of NaOAc. The mixture was stirred 10 h at 0-5°. The precipitated dye [88290-70-4] was collected, dried, and crystallized from BuOH to give a product with λmax (CHCl3) 500 nm, εmax 45,800, and gave a bright scarlet shade to aromatic polyester textiles, which had excellent fastness to washing, light, and pH changes.

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(FILE 'HOME' ENTERED AT 10:09:34 ON 30 MAY 2007)

FILE 'REGISTRY' ENTERED AT 10:09:47 ON 30 MAY 2007

L1           STRUCTURE UPLOADED  
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L2           11 SEA SSS SAM L1

L3           238 SEA SSS FUL L1

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L4           10 SEA ABB=ON PLU=ON L3  
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              D 1-10 IBIB IABS HITSTR

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L5           3 SEA ABB=ON PLU=ON L3  
              D 1-3 ALL HITSTR

FILE 'CAPLUS' ENTERED AT 10:13:23 ON 30 MAY 2007

              E HALL NIGEL/AU  
L6           53 SEA ABB=ON PLU=ON ("HALL NIGEL"/AU OR "HALL NIGEL F"/AU OR  
              "HALL NIGEL P"/AU OR "HALL NIGEL R"/AU)  
L7           19 SEA ABB=ON PLU=ON L6 AND AZO  
L8           10 SEA ABB=ON PLU=ON L7 AND DISPERSE  
              D QUE L8 STAT  
              D 1-10 BIB ABS

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FILE LAST UPDATED: 29 May 2007 (20070529/ED)

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FILE COVERS 1907-1966  
FILE LAST UPDATED: 01 May 1997 (19970501/UP)

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